OBSERVATIONS ON THE Natural History

OF THIS

World of WATTER,

A TWO Paris

Being a Philosophical Decourse, grounded upon the Molaick System of the Creation, and the Flood.

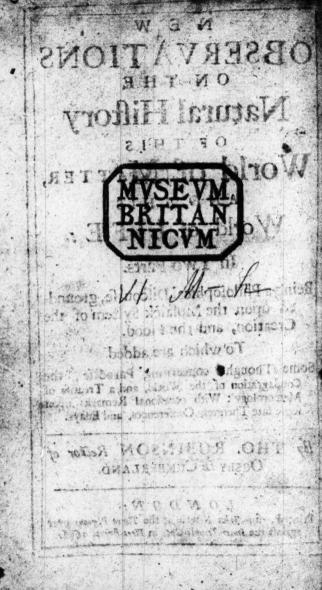
To which are added

Some Thoughts concerning Paradile, the Confegration of the World, and a Treatile of Meturology: With occasional Remarks upon fome late Theories, Conferences, and Ribys.

By THO. ROBINSON Reser of Ousby to Cumberland.

LONDON

Criminal, fire John Melbour at the Three Pigram over against the super-Thomas Gere in Merchitecte, 1595.



one suburit de la

Mr. William Nicholfon

ArchiDescon of CARLISLE.

REVERENS SIE

Have read over the Books wybuwere pleafed to lend me. Dr. Burner's Theory of the Earth, and Dr. Wood pands Riflay toward a Nacural His bory of it. Both which entertain d me with a great many new and vey notable Hypotheles, managed with a great deal of Art, Ingentie ty and Learning; but in my Opinion very ill grounded a many of heir Necions being inconfiftent with common Senle and Experience, with Scripture and Realon : especially

The Dedication.

especially the Mosaick Account of the Creation, Paradise, and the Universal Deluge; and in some Particulars, Dr. Woodward seems inconsistent with himself.

These following Chapters, (which I make bold to prefent to your Hand, and to give you the Trouble of peruling) will shew you wherein I cannot condur with these great Virtuosos, and why I endeavour to establish a quite ferent Notion of things; and de ground it upon such Philosophical Thefes, as Mofes, that great Philo fopher, has laid down as fo many Postulate in his thore, but most comprehensive System of the Gre ation; the whole being a shore and compendious Description of the World of Matter, and this World of Life wherein we live mos this nce, with Scripture and Reston

SIR,

The Dedication,

he

he

SIR; I am so far from being big with a fond Conceit of any of these Notions, that I dare not trust them in any Hands but yours; for I am unwilling that these Papers (without your Approbation and Encouragement,) should go further abroad than your Study, lest some ill-natured and peevish Critick should take occasion to expose the Ignorance and Disingenuity of their Author,

I know (Sir) that the Experience you have lately gain'd by fearching into those occult Regions of Matter, being now added to your former Speculations about it; has made you the most capable of determining all Differences, and solving the most difficult Phanomena of this Kind. If you will be pleas'd therefore to correct with your Pen the Mistakes you meet

with

The Dedication.

with in any of these Notions, and let me have your honest and impartial Opinion of them, you will further oblige,

noisedough a Sirgundaise) and California (anomorphismus) anomorphismus) and California (anomorphismus) anomorphismus) and California (anomorphismus) anomorphismus) and California (anomorphismus) anomorphismus) and California (anomorphismus) anomorphismus) anomorphismus (anomorph

and bamble Servant,

THO. ROSINSON

arching into chair social grid and a Lacard Marron franks | American American and a chair social and a chair

Light with a second word with

as avoited the communication of the construction of the constructi

of pleas'd therefore to correct with your Pen the Mitlakes you more

din El

The Dedication

Wildom is better that Rubies and will the thing that may be defined one in the state of the short in the state of the short in the state of the short in the state of the stat

by te school a to the New Testar. Divine Philosophy which the New Testar

Gentlemen Miners.

GENTLEMEN.

nd

6

It his Observation be true, That no Man can lose by the World; but what he lastely in Purse, he gains in Experience a Tow, will, have no Roasin to complain, of sometimes your subtervation Projects instrary upon your Hand. Since that Loss may enfoly be Repaired by your experimental Knowledge, of these accepts the Regions of Mattern; concerning which, the must profound Philosopher can give to decome, but by way of Hypochesis and Conjecture.

penmental Knowledge, tells us that

The Dedication.

Wildom is better than Rubies; and all the things that may be defired are not to be compared to it. And the that by Wisdom be may mounthat Divine Philosophy which the New Testament eills Religions des certainly there is nothing contributes towards making one morally or phyfically wife, than Experience, as be intimates in the following Kerfe, where be brings in Wildom thus speaking: Prov. 8. 1 Wildom dwell with Prudence, and find our the Roundedge of witty Inventions of confess that the Theorick Part of Philosophy (being the first-born,) is more noble; and therefore defervedly fits Regult in the Superior Faculties of the Soul Attended with fublime Notions and Speculations 3 19 and Sometimes | Figments and Chimara's are also ber Maids of Honour. and Conjecture. -x And althor the practick we experihammental Knowledge, tells us that Wildom

The Dedication.

mental Part fits below in hamble Gord, attended only with mechanick Mistificers, and manual Operators: Tet she oftentimes Entertains the Forld with more of Certainty, and Denimstration than the former.

2-

76

y-

be re

th

g: At

d

d

be

d

1-

4

b

1-4

Gentlemen, I shall not complement
you into a good Opinion of those Notions which I am willing should abide
the Test of an impartial Judgment;
only I think it may be convenient to
let you know that they are the product of
20 Years Experience and Observation;
for so long I have been concerned in
the inspection of under-ground Works
of several Kinds.

Besides the Place of my Habitation being under Crossell, (one of the bighosts Minimum its in England) whose losty Top gives a large Prospect both of the Bast and West Seas; I have from thence observed, not only the different states of Matter, the Eruption of

Rapid

The Delleation

Raid Springs; "but alfor the Rifts mil Falling as well as the Rarefalls and Condenfation of Vapours.

Gentlemen, If the Publication of this flore Treatife (which I pre-Sume to present to your Hand, as the mof proper Patrons of fubterranean Philosophy) put you to the Charge of an eafie purchase, you will certain ly burns it much cheaper than the Auther, who fhall always remain,

CHANGE OF THE PARTY OF THE PART

Your most humble Sex vane A fereial Kinds.

material (and wall-willer,

being under Croscill, no of the

the Lop giver a large I refrest buth of the East and W. S Seat I have from thence observed, not only the different states of Matter, the Eruption of

Rapid

PREFACE.

£ 80

1

tio

i i di ion; thoughters ver

F the learned Authors of the new Theories and Effays had but taken the Pains to have confiderd better of those great Advantages of Learning and Education which Moser (the greatest Philosopher that ever was in the World, and the first Describer of its Creation) had beyond any of those learned Philolophers of later date, who have write upon the fame Subject; they would have entertain da greater Veneration and Esteem for his short, but most comprehensive System athen for the larger Volumes of these common Philosophers and History

The Preface.

ans, whose Writings are only the Product of their own natural Reason; though set off with the greatest Artifice of Words, and Advan-

tages of human Learning.

The first Progress which great Philosopher made in human Learning and Wildom was in Phoroah's Court, where he had his Education, under the Tuition of his own Daughter, who having no Child of her own, delignd to adopt him her Son, and make him Heir apparent to that Crown: To which End he was by her Gare instructed in all the Learnings Wildom, and Philosophy of the Bayptians: And no doubt but fome of the most learned amongst the Hierophantha, who were the most skilled in the Knowledge of mystical as well as natural Philoso phy were his Turgra 19 nommos 2115

The Bre see

10 4 II G

30

to m

c

He being thus qualified with the best Learning Baypen could then afford, the fecond improvement he made was in the Family. of his Kinfman Jethro, who be ing as well a Priest as Prince of Midian, did not only discipline him in all the Rules of Policy, Conduct, and Government by which he was fitted and prepard for being Capcain General of that mighty Hoft vof the Hebrers which God deligad to deliver from the Broptian Yoak, and under his Conduct to fertle in Cons m; but also he was instructed by him in the Religion of his Ancestors, the Patriarchal Traditions concerning the Creation of the World, the Beginnings of things, and the Genealogies of Menns which being best known to Min who coming immediately out of God's

The Preface.

God's Hand, did undoubtedly deliver it to his Son Seth, Seth to Bow, and so from Father to Son, to Abraham, from whom Jothra descended by a second Marriage.

During his Time of Relidence in Midies, which was forty Years, and most of that Time being spent in Contemplation: Its generally believed he wrote this System of the Creation, with the rest of his Book called General, by the Affistance and Direction of his Estendent in Law, who could not be ignorant of the Patriarchal Traditions; himself being descended from a Patriarch of special Note.

After these Gradations and Improvements in all Kinds of his mane Learning, Wisdom and Phisosophy, God rook him late his own Service, and was pleased by

The brigate

a fort of Personal Communication to impart to him as well the manner how all things began to exist, as whow the Manners of Mankind were to be exercised; so that he may be reasonably supposed to sound the Authority of his Writings, as well as of his Government over God's People, upon Divine Reveletion.

でいるののです

et to

ď

In this most execution System. Philosophy, Divinity and Mystery seem to be so classly interwoven that it would be a Matter of great Difficulty (if doc Impossibilitys) for any, unless such as are well skilled in the Cabalistical Tradition ont and Mythology, returns to the Cabalistical Tradition ont and Mythology, returns to the Cabalistical Tradition on and some of the most leasted Rabbies are of opinion that Oast directed Mases, and the ceft of the holy Ren-Men, frequently to make

wie of Meraphors, Allegories, other Behe matical Forms, which must needs be attended with for Darkness and Obscurity (these be ing as it were a Veil drawn over the Face of Divine Truch) this might occasion Solomon to joy the Words of the Wife, and their

And this was not only the Practice of the facred Writers but of the learned Heathers, elpe cially their Priests and Philoso phers, who andoubtedly did im tate Mofer herein so but for different Ends and Purpoles of for it did highly concern the Pagan Priells to hide and conseal their Myste ries from the Light; which like baftard Eagles would not endure the Tryal of inigo to one anisate.

But the holy Spirit might dis rest the holy Pen-men to observe Sir.

their

The Prefact.

their Style for Realons of greater and more weighty Moment

For the Divine Wisdom might fee it fit in the Infancy of the World, to discover his Will and Mind in some things very furtable to the Capacities of the Men of that Age: And to reserve other things of great moment veil'd under Allegories, and mystical Expressions until the Minds of Men were more opened and enlarged; for discovering of those brighter Beams of Divine Truth.

Yet that the Glories that were after to appear might not be wholly clouded; he order'd it so, that such a thin Veil shou'd be drawn over the Matter, as shou'd not more set off the Beauty, than stir Men up to a diligent Search after those Divine Truths.

The Preface.

If then a modest Attempt he made to ground a Philosophical Discourse upon some of these veiled Mysteries, with Submission to Men of greater Learning, and better skill'd in mystical Philosophy: I prosume that it will not be judg'd an Effect either of Prideor Vain-glory.

Preliminary

Agent Feverin Hou

The state of the state of

Preliminary Postulata.

extinund Beds of from con a bed at the

the majored out from the temples and

cal

eilto

nd

6

be

Of

3000

TEV

tit

XII

vi /

I Know that it's much out of Fashion to beg Principles in this Phelosophizing Age; yet considering that this
Schematical Account which Moles
bas given of the Creation is as well
Philosophical and Mystical, as Historical and all hominem, I presume
that these solutions Postulata, being
grounded upon such reason, as cannot be
denyed, will easily be granted me; as
first--

That this Natural World was ereated in a Natural Way, by the Agency of second Causes; God Almighty concurring with them by his Direction and Approbation in these Words (He

faw that it was good.)

That

1 2

Preliminary Poltulata.

That the work of the Creation could not, in a natural way, be compleated in so short a time as fix days; for as it can-not be validating med that we she Solid Strata and Beds of Iron cou'd be digefted into Such good order, as me find them in; and receipe their feveral Degrees of Consolidation in that times Neither can it be Suppos'd that all these different natures in the Vegetative and Animal Sphere of life Should grow up to Such a degree of Perfection, that dame could eat Ripe fruit in Paradife of fix days Production: And that all the Beafts of later birth can'd in that time get Strength to appear before bim.

It may then be taken for a granted Principle, that by the fix days work is meant the fix distinct Productions; and by the Evening, and the Marning is meant the Principles of Astronomy and Passivity, which were the Instrumental

Causes of these Productions.

L'bat

9.

That

Preliminary Postulata.

That Puradife in a literal fense may signify a local place or Garden of Pleasure, in a Pholosophical sense all those Rational and Sensual Pleasures our Natures are capable of in this Material World: In a Mystical sense it signific: Heaven, or those Intellectual Pleasures our Natures shall be capable of when they are Spiritualized and Exalted:

J-

d

That Adam and Eve in a literal sense sensity the first individual Persons that were of that Species. It a Philosophical Senses they signify a Generation of Mens, and Women; in a Mystical sense, they signify Reason and Sense, or the Superior, and Inferior Paculties of the Soul,

That by the Scrpette in a literal Sense is signified a subside infinitating Brute, whose specked Skin (being beautified with all the Variety of Natural Paint) made it a sit Object to work upon the visive-Faculty; in a

3 Phile-

6.

Preliminary Politilata.

Rhilosophical Sense, it may figuifie we tural Concupiscence: And, in a mystin cal Sense, it may signific the Devil.

By the Tree of Life, in a literal Sense, may be signified an individual Tree producing Fruit, and preserving Life. By the Tree of Knowledg in a literal Sense, may be understood a Tree bearing Fruit of a poisonous Quality, and destructive of Life; in a Philosophical Sense they may signific the whole Species of Vegetables, both of a wholesome and poisonous Nature; may mystical Sense they may denote evernal Life and eternal Death.

Adam's giving of Names to the Beafte fignifies the Exercise of his natural Reason, by distinguishing of their Natures.

Lastly, by Eve's eating of the foir bidden Fruit, may be understood who Defire of natural Concupifcincs to gradifie ber Senses with their bolance Objects.

Ad-

ADVERTISEMENT

100 at 181 0 me.

Languer Legans

WITH

Additional Remarks.

Since the writing of the following Discourse, a new Theory of the Earth hath, been published by a thoughtful young Divine, who agrees in some Notions with me; this therefore is to assure the Reader, that my Manuscript laid all the last Winter in London, and was printed off before I had a Sight of the aforesaid Book, which several of my Priends can testifie (if there should be occasion) thro' whose Hands these Papers have passed.

Another thing ought to be taken notice of, and that is my referring several Hypotheses and Observations to a late Writer (a Fault which Mr. Whiston hath committed up and down his Book) who it seems hath taken them from others; which accidentally discovered by falling upon the Monthly Miscellary Letters, Vol. 1. Numb. 22. Pag. 361, 366. Vol. 2. Numb. 2. Pag. 49: to 37. As also the Philosophical Translations of the Royal Society. Numb. 219. from

Additional Remarks.

but just to give some Instances; sora tender regard ought to be had for the Original Inventors of things, who ought not to be robb'd of the Fruits of their Labours and Studies by Pyratical Rovers, who set up for supendow and mireculous Discoverers. Furn to this Essa, Pag. 33. The Origine of Mountains from the Disruptions and Changes of the Sirie ta of the Earth was Stend's Opinion See his Prodrom to a Dissertation concerning the Changes of the Earth.

Pag. 40. 75, 76, 77. The fame Steer, in his Prod. places about the central Fire of the Earth, a huge Sphere or Abyfi of Waters; which, according to him, supplies the Earth with Springs, the Air with Vapours, and was sufficient for the general Deluge, when by the Force of the subterraneous Fires, it was thrust and forced up, whereby the Globe was broken to pieces, and dissolved in the vast

Fluid.

Pag. 61. 62. The perpendicular and horizontal Fissures of the Earth, dividing the Strata or Beds of Sediments, are with great Care and Accuracy deligneated and described by Dr. Steno in his Prodrem.

Additional Romarks.

Prodrom, and many other Phonouna relating to the History of the Earth att explain'd at the End of his Austria, and nis carchar, in his Species, myslegacol i in

ht it of

#-

大田公司

中村 中 6 年 中 月 中 四 5 年

Pag, 76,86,88. The refer log of faibling of Bodies, as well cerestival as marine (diffoly dor mix'd with the Way ters of the Deluge) according to the Laws of specifick Gravity in these leveral Strata or Beds of Stone. Sand, Edsy, Marle, Slate, Lime, Chalk, who was published above 26. Years ago, by Nicholas Steno, and Agastina Scillas) if the aforemention'd Accounts in the startly Miscellan. Letters, and the Philosophical Transactions are to be rely'd upon a the Books themselves being not to be come at in a remote Province. This Stenis is the Hypothesis of the Pormation of the pre-

Earth to have been twice fluid, twice plain and day, twice feabrous and croggy; the first was at the original Chans, the fee ond at the Flood; The (fays hat) is usedlift from fluid life of the higher Bills, captaining to Heterogeness. Bedief, because form a before there were any authority of Plant, or other mix d Solids; and lo preferred d in their fimple antedllandam Store by the Holy bird of their Struction, which might fearer them against the least of many advertision or fallitions bedief, falling for the most part on the Valley and law Places, where they make up ad the companied Struct, which thereby the prefent Earth, and fiberate is from the highest form, which thereby the prefent Earth, and fiberate is from the designifice one, mind Bair are more simple, not suffered up with such different Badief in make up the holidarium Struct, or Sediment: This agrees with what Mr. Phillies delivers in mind Places of his New Theory. To which we may add that the simple antediluvian Beds on the high Mountains, destitute of Hete regeneous Solids, may be laid open by the washings away of the incumbent Diluvian Sediments or compound Beds, by the Torrents of Rains, which carry down those Crusts and Bodies along with them.

Additional Remarks.

but just to give some Instances; some tender regard ought to be had for the Original inventors of things, who ought not to be robb'd of the Fruits of their Labours and Studies by Pyratical Royers, who set up for supendons and miraculous Discoverers. Furn to this Esse, Pag. 33. The Origine of Mountains from the Disruptions and Changes of the Streets of the Earth was Steno's Opinion. See his Prodrom to a Dissertation concerning the Changes of the Earth.

Pag. 40. 75, 76, 77. The same stead, in his Prod. places about the central Fire of the Earth, a huge Sphere or Abysi of Waters; which, according to him, supplies the Earth with Springs, the Air with Vapours, and was sufficient for the general Deluge, when by the Force of the subterraneous Fires, it was thrust and forced up, whereby the Globe was broken to pieces, and dissolved in the valt

Pag. 61. 62. The perpendicular and horizontal Fiffures of the Earth, dividing the Strata or Beds of Sediments, are with great Care and Accuracy deliverated and described by Dr. Steno in his

Florid.

Prodrom,

Additional Remarks.

Prodrom, and many other Phonouna relating to the History of the Earth are explained at the End of his Austen, sanis carebar, in his spacies, myologood i list

自己がなっているのではい

光祖母 15 社

ne of

ft t Pag, 76,86,88. The refetling of lithe fiding of Bodies, as well territarial as marine (diffoly dor mix'd with the Way ters of the Deluge) according to the Laws of specifick Gravity in the feveral Strata or Beds of Stone, Sand, Eday, Marle, Slate, Lime, Chalk, constant was published above 26 Years agos by Nicholas Stene, and Agostina Scilles) if the aforemention'd Agosunts in the stantily Miscellen. Letters, and the Philosophical Transations are to be rely'd upon a the Books themselves being not to be come at in a remote Province. This Stanting Note that Stene

Earth to have been twice fluid, swice plain and dry, twice feabrous and craggy; the first was arche original Chans, the tecond at the Flood; Thir (fays ha) is madified from fome hids of the higher Hills, containing to Heterogeneous Bedist, because form is before there were any immals or Plants, or other mix a Solids; and so preserved in their simple antedilusions State by the Helghish of their Situation, which might seems them against the Load of many adventitions or fastisions Beds, falling for the most part on the Valley and law Platts, where they make as all the companies Straws, which incress the profess Earth, and state as more simple, and state as most facts as most facts as most facts and most facts of the high facts of the most facts of the best different Badis? As the best the best lives in many Places of his New Tates. To which we may add that the sumple antenditurian Beds on the high Mountains, destitute of Heterogeneous Solids, may be laid open by the washings away of the incumbent Diluvian Sediments or compound Beds, by the Torrents of Rains, which carry down those Crusts and Bodies along with them.

Additional Remarks

fent Earth out of the feveral Beds or Sedimens of Matter thind with, and linking down from the Waters of the general Flood according to the Affinity and Weight of Parts is much opposed by late Author of two Effage from Oxford who cannot believe the Deluge to have been universal par the whole Lart planted with Animals from Noah's Ark whole Arguments I do not approve of being inconfiltent with true Philosophy. and Divinity : Neither is Dr. Nichol's fo cond Greation of Animals after the Flood to be allowed of, being contrary to the Delign of Neet's Ark, and to the whole Molaick Narration.

As to my Opinion concerning the Origins of fofil Shells, of form'd Stotics, and fubterraneous Plants; Seills blosfelf, tho he with Sees has taken great Prins to prove them to be the Extivize or Spoils of Animals and Vegetables (from the Similitudes of their Parts in every particular) and to be the Remains of the Deluge firbfided and lodged in feveral Beds, Layers, or Sediments, yet I find by Dr. Lifter, that Seills own'd forme forts of them to be of snother Original, and the learned Dr.

himfelf

Additional Remarks.

himself proves beyond all contradiction, that real perfect Shells are frequently found in the Bladder, Kidneys, Impostnames, and other Gells of Animal Bodies, and if so, why need we force them into the midst of Quarries and Rocks by dissolving the whole Frame of Nature for their Sakes?

ことはないである。これではアル

はいない はい はい はいない はいかん はい

If erue Shells can be form'd within Stones of the Bladder, and in many other Parts of the Bodies of Creatures; then by the fame Argument a Million may be form'd in the Bowels of the greater World, every ways refembling those of the Sea, in String Lamile, Figure, Tendons, Threds, e.e. for that they might perswade Stene, Dr. Hast, Boscos, Scilla, Columns, and Mr. Roy, that they were really the very fame, owing their Original to the Flood, or Chaos, or Earthquaken.

My Hypothetis concerting the Generations of feveral Animals is much confirmed by the learned and experienced Fother Business in his late Obficultium circs protestic in one viventilas reports automatical Generation in the protestic reports and indicate protestic reports and indicate Protestic Pro

Addition | Remarks!

For, Pag. 151. to Pag. 166. companie

Pag. 1189, 1917 Some great Natural Philosophers will have the Igner Fine to be flying Gloworms, or some other thining infects. to their around the

and Phenomena of Snow and Hall at Barthal. de Nice, Hook's Missograph, Boyle of Gold, Martin's Greenland Poyon, Lewenboeck's Letters.

As torMr. Whiftent , New Theory, I am atrait it will be found altogether incomifted with the Mofeick Hiftery, being habited only to the formation of our little Globel without taking in the Heavens (which Mofes is particular in) and depending sol much upon mechanical & necessary Laws (as feveral other late Theorys and Hypol the fer do) whereby the Flood and Conflagration might be brought to pas without any Relation to the Pall of Man or Sin ... For Comets and Eruptions of boyling Abyfes may frequently defred cur Globe, by fuch Chains of Natural Canies, Comets by the Laws Trajection may dath and drown to with their Tails, and the centrals Fire may drive up the vast Abysi upon us, whether we

fu

31

n

0

0

t

0

t

C

HOI

fin or no a chefe Phonomena may befull the Moon and all the Planets, without any respect to inhabitants, and may hap pen frequently by fish Concouries and Links of Mechanism, and by the ordi nary Laws of Morion. Therefore would not be cautious of making inc Grand Repolations to rowl upon Ma chines, as well as on the other hand of coming new Miracles and fecond Creations without any Warrant from Scriptures of the first I am afreid the ingeniom Mr. Whiften is too guilty; and of the latter the learned Dr. Nichols. But confidering we are in a Country of Liberty, and in an Age of Thought and Observation, I can easily pardon the reedom they are pleased to take to their Studies and Enquiries.

Having lately met with an accurate Discourse of Bernardini Ramazana printed 4 Years ago in Querto, concerning the fubterraneous Waters, the levers Layersor Beds of Earth upon deep die gings, the foffil Shells, Bones, Vegets bles Payements, &c. as allo upon In undations, and Deluges, with their El fechs, I thought fit here to acknowledge the many Obligations we owe to that

according

公子子 化司人列列 西班牙

e iA

Additional Remarks?

inguistice Physician for his various Of the Ear about the Territory of Modern, whi tre equally commendable with those Columna upon Apalte ; Dr. Hooke, Rey, Dr. Plot, and Dr. Lifter upon B land; Stem upon Tufcan; Scille Boccome upon Sittly and Matters whole Discoveries fittle hath been ded as yet, notwithstanding the h and mighty Pretences of a late Aut who, in an Effay toward a Natural Hi on those very Gentlemen, from who Writings he hath made bold to borro the best Part of the Observations in the best Part of the Observations in Work: The also remarkable, how was a subject to the pool of the subject to cording to their different Weight, according

Lakininal Romants.

scording to the Statick Laws of defen of Solids in Fluids for the Strate of Marbig, and other Stone, of Lord, and o ther Metale, lye often peer the top or Superficies, having many lighter Scrate under them; and if all the Strate thro the whole Globe could possibly be view ed and examined, I im confident diere fpedive Order of specifick Gravity would not hold to any two togethers and who can fancy, that the Parts of Ferns, Moffes, and oster Plants; of Shells, Teeth, and other Bones, thould equiponderate with those of Metallick Fosilis nay, oftentimes sublide below mentions, Weight, Figure, and Piace of those wit Natural Columns, called the Dress's Leafy in Iroland, will be from converted of the Weakness of the Piace attention Their Congress therefore matter that Columns, Since Stille, Bosses, Chester, have delivered to the copying after these, have delivered to converte only after these convertes only the converte of the converte only the converte only the converte only the converte of the converte only the converte o there, have delivered concreating the Delega sand feministry, Streets, Greeks, or Sections according to the Lawror Specifics Greeks, a markler are the many Bismoon at languages their timetion. expli-Kur Him.

This Land

explicable by any Theories of the Both as very published; I know not which the Hoste may do when the comes to princh his Lectures upon this 8th jets which the Fators expedit and very coincilly crave of him: Much also may be performed by the Beaunal Mr. Edward Librard, Keeper of the Resund Mr. Edward Majoria, who has been very diligent and accurate in his Observations on these Bodies and whose Candor and Modelty, joydeed with his enquisites judgmbnt, seen der him capable of fuch an Undertaking.

As to the Origine of Subterraneous Plants, either digg dout of Earther Reds, or lodged within Stony Subfances, or elfe impredict upon them, which Stem in his Production teamfated by he Oldenburgh. Page 92/94;9%, with rest derive the lame way with those of Shells I acth. Bones, and other Parts of Animals, buried in the like Strate or Sediments of the Deluge's Mit Libraria of Oxford has reis d many invitable Objection against this Stemman Figurithesis in the last Edition of Cambride Britishells in the 1849, 693, 2003, and Mr. Ray in this fermion Preface to the Sproplic of British up 1869.

cxpli-

argue

Additional Remarks

argues very Philosophically against this Opinion, revive of late with great AP furance, and in a politive manner ; but Mr. Whifton hath done very wifely in taking no notice of the many imperable Difficulties which have been urg'd against the bringing in of these Bodies, and the forming our prefent Crusts and Layers of Earth, out of a general Deluge. He hath faved himself much Sweat and Pains in having Recourse only to two or three late Books, and in confulring Copies instead of Originals, which would have given more Strength and Beauty to his Work, and would have look't more masterly; however the Gentleman hath perform d very well in the main, and hath thewn a profound and clear Knowledge in Phytical Science, though not in the History of Learning, nor in that of Nature. His Conjectures are admirable, but his Quotations and References are not con? mendable, being injurious to those eminent Philosophers who were the first Inventors, and yet paffed over in Silence, as though there had been no fuch Writers; many of their Observations being attributed by the Author of the New The-

ey to see of his own Acquaintance, wh may do as much for him another time but I would not willingly accuse h Whiften of any ungenerous dealing, h ving discover'd a noble Genius in the Formation of his System s and therefor I conclude with respect to him, and with Charity to all Mankind though don't be rough hou find

the design of the second

OWker har the restriction with

A A WEST TO SEE THE SECOND trade of the transfer of the first trade of the first

est a most service to the service of 1 May 2 Ce Smed

TO THE STATE OF THE PARTY OF THE PARTY OF in a life material and a life of the

the control of the state of

Control of the Control of the Control

-id Lock selections radial science toward appear standing and you probed, death Section Carle black but areas course se

ters into of their (believande netroned by the Autor of the New York

The Contents of the first Part.

CHap. 1. The Philosophical meaning of these Words (In the beginning God created the Heavens and the Earth,) and what may be concluded from them.

Chap. 2. Of God the supream and efficient Cause; and why Moses proves not the Being of a God express, by way of Argument; but implicitly by describing of the several Degrees of Persection, and the Subordinations of Life.

Chap. 3. Of the Greation of second Causes, and the manner of their Production,

and ways of working.

Chap. 4. Of Light and Darkness, the common Principles of mix'd Bodies, what they were in Mass, and how their Division made the first Production.

Chap. 5. Of Light the formal Cause of all mix'd Productions 5 what it was whilft

in Mass.

Chap. 6. Of Darkness, the material Cause of all mix'd Productions; what it was in Mass, bow it was reduced into Form:

He Callega

Of the Power of Matter and Motion: Of Sympathy and Antipathy.

Chap. 7. Of the Spiritiaf God moving upon the Face of the Waters, what isophilosophically meant by it: Of the first division of the Waters, and the clearing of the sublunary Firmament.

Chap. 8. The Division of the lower W.d. ters into Subterranean, Superterranean, and mubiferous, and by what Grada-

tions the dry Land appear'd.

Chap. 9. Of the Primeval or Antedila-

Chap, 10. Of the constituent Parts of the Earth; and first of the volatile Part of it, or the central Fire, its natural Uses.

Chap, 11. Of the fixt Part of the Earth: and first of the Inequality of its Surfaces their Natural Causes and User.

Chap. 12. Of Mountains, their original Cause, consistences, and natural Uses being the first dry Land that appear d.

Chap. 14. Of the Plains and Valleys, &c. Chap. 15. Of the Channel of the Sea, &c. Chap. 15. Of the Shannel of the Sea, &c. Chap. 16. Of the shand Part of the perfa-

queous Globe, and first of the Ged, &c. Chip. 17. Of those preternatural Africant, that distant and interrupt the Course

The Continue of

of Neture in this Metental World, Sec. Chap. 188 Of the control Danipete Their Canfes, Natures, and dreadful Effetts upon this Globe.

Chap. 19. Of terreine Damps, and their dreadful Effetts upon this Globe, 840.

0-

i-

of

A.

4.

W

be

es.

b: eq

4

Ċ,

4-

Se

Chap, 2001 Of Nonth's Eland, itse Canfes, the Seafon of the Tear when it happened, the Effects and Alterations it made upon the Earth. mothers of dispost and about

Chap, 24. Of the Senfon of the Year mbene

Chap to Of the Alterations which Noah's Flored words in and spon the Barth and

The Coments of the fecond

Hap. 1. Of the Plastick Spirit in Matter, and its natural Products.

Chap, 2016 she grand Cover of the Barth, the sympathetical Daton of the plastick and woodsch Spirits and the Production of Vegatables, the first and lowest Degree of Life.

Chap. 3. Of reducing the confus d Mass of Light or the etherial Flame into a Body, aly, which wade the Sines of reducing those lighter Pogs and waterish Miss in the a Body, which made the Mann's how by clearing of the superlunary Firmament, or the Planetary Spheres, the Stars appear'd, and what the Sun, Moon, and Stars contribute towards the Production of sensitive or locomotive Animals, and why the Creation of these spoons! Causes made the fourth Production.

Chap. 4. Of the Production of the fecond Degree of Life, and first of outparous Animals, as Fist and materify Infois.

Animals, as Fift and waterift lefest.

Chap, 5. Of the feeded General troopers an
Animals, viz. the Aerial that first of
Fly-Insects, secondly of Surpents, thirdly
of Birds, and why Moses makes the waterist and aerial Animals congenial,

Chap. 6. Of the terrene, or chipperous

Chap. 7. Of the Greation of Man, the fixth

The Livelusion: Wherein is shewashe meaning and significancy of these Words. And God save every thing that he had made, and behold it was very good.

rien, 3. Of reciping the entired Major of Leght or the released Player into a Bo-

The Conteuts

Chap. 12. Of the Sphere of Ranefall Discourse concerning the Terrefield Parades forming her Adam som he troduced into it : The Time to constanted in it, and how be und Eve employed that Time.

A Discourse concerning the Constagration of this material World; the Local Hell; its outmost Boundaries, or Abraham's Gulpb.

A short Treatise of Meteorology, with some Observations concerning the Changes and Alterations of the Weather.

Chap. 1. Of Vapoure and Brhalations &c. Chap. 2. Of the efficient Causes of all Me-

teers, and first of Heat.
Chap. 3. Of Cold, the other efficient Cause of Meseurs.

Chap a Of the Air, or Medium mbercia all Meteors are generated.

Chap. 5. Of fiery Meteors, &c.

Chap. 6. Of Comets, &c.

Chap. 7. Of Thunder, its Canfes and Effetts.

Chap. 8. Of vaporous Meteors, and first of Dews and Hoar Frosts.

Chap. 9. Of Rain, Hail, and Snow.

Chap. 10. Of Hail and Snow, with Ob-Scroations.

Chap. 11. Of Frost and Than.

Chap.

Trible oners.

Chap. 19. Of the Sphere of Rarefattion.
Chap. 18. Of Wand, Holms, and Arthur
Chap. 14. Propositionstone of the Charge
mand. Alteration of Weathers from the
to Miling and riffig of the Sales.

it Distants concerning the Constagration of the material World, the Local Hell and the standard of the Afrahands

Cintob

The Author living at a great Different from the Profe, defires the Reader supports that for

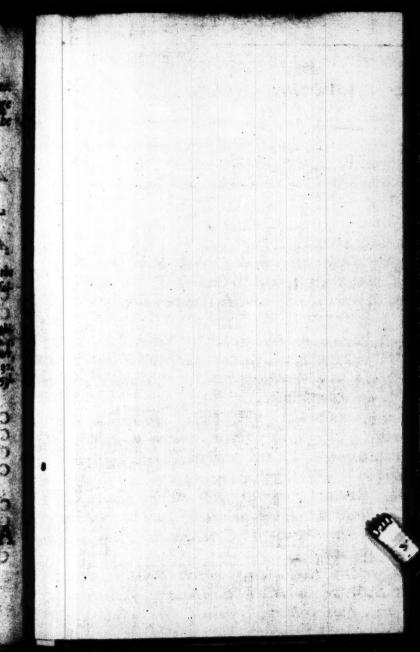
DAS A TOTAL PROPERTY OF THE PARTY OF THE PAR

Compay Of Line les, its Caulei and l'Act i.
Compage Of var verse Meteors, and field
of Deni and Floor Freits.

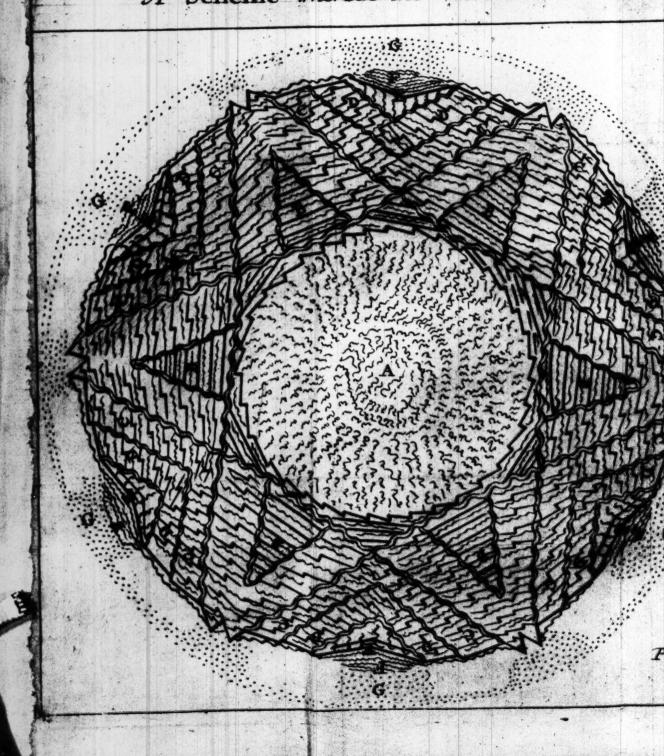
Chap. 9. Of Rain, Hail, and Sn. w. Carp 10. Of Hall and Snow, with Ob-

Chap, tr. Of Frost and Tome.

Chap.



A Scheme wherein the Several Phænom



omena of this Terraqueous Globe are Explained.

- A The Central Fire disseminating a Vital heat, through the whole Cortex or Shel of the Globe.
- B The Mountains from the Centre to the Surface.
- C Heaths.
- D Plains.
- The Channel of the Sea.

 The flatt Strata or Beds of Matter, with their Accivities to the Mountains and Declivities to the Sea together with their Elevations and Depressions thus described ____

The winding and turnings of the greater Veins, Din ding the several Classes of Matter discribed this through which the whole Mass of su

terranean Water Circulates.

Their Lefter Fibres, or Rami Factions, filling all the flat Strata with feeders of Water, which breaking out upon the Surface of the Earth cause Spring of the Carth cause Spr

- The Seas with the Rivers flowing into them from the Tops of the Mountains swelling them into a bil bosity; and causing in them a Continual Fermi tation.
- G Vapore Arising from the Seas, which being Attracted by the Coldness of the Mountains, fixeth there; Forming an Atmosphere round the whole Globe.

Part 1st



when the World was Created, was the beginning of time; or when I am except to make a being to the was the World was Created there was ration, or Stabilis Historian I am equal menturation or Morton, it a

From this grand Their we may c clude, First a sing Ar All Swino end to the Second place of the series of the ser for concludes against Plate and his

when the World was Created, was the beginning of Time; or when Tim first began to have a Being ; for before the World was Created there was di ration, or Stabilis Histornitas [as Schoolmen express it but Time be an equal menturation of Motion, it a Motion began together

From this grand Thefis we may co clude, First against Arifital who ende vour'd by many Arguments to prove th the World, as he now thinding Matter a Form, grantiemila which Hyp advangesh the World into an equi-with God; makes it its own efficient Cause, thiereared and imprependent

In the Second place will despite ? fis concludes against Plate and his lowers in the cho, he did believel) lowers who the he did possiblely fert that God made the Warld ye did conceive that the Watter on wit did confeit was Excital and President: By which Hypothetis he cludes God to be an impotent cattor able to create the World with Matter and Stuff to work upon.

These millaken Principles in Philisphy were occasion of from the fervation of the regular source of

tures por confidering that there a

he coherenții which might produce effetire annihispary shau del deseg gouse shihis billi dempaled their incr kome stilini belië dompalorif dieir me min abiervatista, fant helt Spirituil Genissprentique their edifelts, distringelible forfate ir hill. The sequiditie folding der hills we sequiditie folding der hills we sequiditie folding der hills we sequiditie folding but a very those single narrow project some extendentificate site of an their land is a factor of the folding the factor of the folding the sequidities is sequidities to be and become the very folding the factor of the ielogo vzhicze zwiejski sebesky sur a Walt abd efficies (pass), zemilitat zstatykality Drythone, z Sepanticzna zanak Adiferuse Dhrifting a Sephenticus ; and the meet Consideration they impace. Benesicol Symbathy and Antipathy data for laft letted into the Formand Eighrenachis World a which it patino more althous vary! from, at his the active ablie be taught to change its Naturalim defend and Gravating and aftendenachtin op-Divine Ef sace won'd for fome tables Hin.

No doubt that the Hyperhedr was greated a water that the hyperhedr was a supplied to the process of the lowest Lindbard Mariner a life train to the hyperhedric and th

n

St. 22. 50

I shall not in this place show you th ablesling of the Happoins Control of the Land Compared to the property of the compared to th sop the Minter on which is conflictly processify year is west addition the conflictly processify year is west addition the conflictly included on the Divine Bilines, and the confuse tributes (1986.) Power Wildow and Goodfield resconding the filter the Divine Bilines of the Divine Bilines (1986.) The Child and - Fontifmente be imaginavent a Divine Essence wou'd for some times Ail CVI

(3)

Hicken ; very op av terhi fleid and in vigorens activity anapon. He to penne die manne endencember Codefial Legions of Majorday The evented the travers and the factor of the travers and the deligate travers and the deligate travers and the deligate travers and the trave

(6)

his chief Ministers of Seaso Chambon for his Domesticks of all Lodgings for his out Serve and the Work being finish do not ingreathe Model which be give Architectory work by the give it Approbation of In like manners Green and Almighty, Monarch of Universe may be approted, full to leid the Poundations of those & Coelestial Regions of unacce Lightenthe Royal Chambers of h molt Gloripus Preimces, where he in greet Majelty strended with an opposite play retinue of the most No Angele his Courtiers: After these ergavenths highelt of the Conce Spirmer in which he placed I house of Boyal Mantions, where the A Angels and Brighter Chernbins schief Ministers of State in that Codel Kingdorn keep their residence: their our the Mossicy Stars which sells an Law way of Senecalock men together, and the Som of that did they for joy, (After the erents the inner or lower Spi which he placed innumerable aut of bright ducid and dishertal Gle wherein the interior Angels and pir

meltick Officeridos inbibling and disele And their differ in Other, for light, as shey are placed sandpheres per, of st middlence from the illegions of Lighty Rot as one Standistereth from another Star in Glory, Light, Parity and Maghinde at So do their Hervenly Inhabitante And fo Gull it he in the Refinerchion from the Deads for las Med improve bard in Wertne, Goodocis and the Divine Life and highe, to stall they be placed neares, or at a different from God , the Poun-(the least of which die bits glil to mis (mafeer ithe finishing of these dinter Soid created this Material Gilthe of Outer Courtispendimade is the Center of the Hinterferended into built of the Rubbidge, Buttifiend Sediment of the whole Centrion, sand inhabited with the memory of Educations and inhabited with degree of Editment Buttifician and level may make properly be scaled God's out for select single which be has placed Man Denter Lord Courtispe ced Man Deputy Lord Governoor.

This Material Globe, the it appears
to its own dimensions so be of great
Magnitude to tal (who bear mor fo merable

much proportion to its will Mole does to the greateft Middle Universe fe the imputation; of the bek Phi phershi true if it will force bear portion sio anhe Millety dict the h from another Star in Glori, le staq It cannot therefore by imagined the Wife Creator f who never made ny chiag in wain, but to the belt in and wileft Puspofer | thould be to fo of a piece of dull (hapid blackers) a of Bright, Lucidy Educial Gle (the least of which exceeding this Ma hill in Megnitude by feveral Diam for no sether and opprepaid them Ringuilling of Days, Monday Scale and Years is and for calling and chimoring light tons poor bloreds.

As God Almighry finished any part the Creation, he gave is a musion, at this motion it performs materally at infenfible without labour or difficult as our Blood circulous through on Veins and our Vitablipings glide in the Nervesthrough the whole Rady. his The Almighry histing now finited the Creation which made up but on Royal Palade, concaining in de land merable merable Manfions, fit for the Subjects
of so great a Monarch to live in: He
fits at the Helm of this Floating Universe, and Success elliss metides with
a field y and opening hand.

And it can be no more labour to God to govern and actualty that World; University of the state of the to well is weally project in carry pa of it, therefore Man's tartoral fool b Will and Gognation, to move a Page or a Toe, or any other part of his Body 3 tho at the greatest distance from Then Major writ this emble Seft an of the Creation; Politheilm and Idolatry had prevailed over the generality of Mankind, and Abraham's Postering weil become Worling. yes of trypte vada so appear by their making of a Molten Caff at Horeb. * Yer not with flanding this multimade of lateria. Deider which the World had fet up for Divine Worthip; the Schaffe Ool Mankind did univerfally believe that there was one Supreme God, who was the efficient Caufe and Almighty Creator of this World, confilting of the Heavens and the Earth: and that this God was the Father and Governous of all the reft.

enble Mantions, fir for the Subjects for great applied A.A.A.A.A.D.c. in: Its string that at the High at the High at the High at the High at the Constitution of this High at the Constitution of the Constitu

Cause; and why Moses were to make the state of Life and the Substitute of the Substitute of the Substitute of Life and the substitute of the substitute of Life and the substitute of the substi

When Moses writ this excelled System of the Greation, Post theisin and Idolatry had prevailed over the generality of Mankind, and the base's Posterity were become Worship pero of Respites Gods, as appears to their making of a Moster Calf at Here.

Yet notwithstanding this multitude of Inserior Deities which the World had set up for Divine Worship; the generality of Mankind did universally believe, that there was one Supreme God, who was the efficient Cause and Almighty Creator of this World, consisting of the Heavens and the Earth and that this God was the Father and Governour of all the rest.

The Philosopher might therefore intity conclude in Ingerthome to prove the freeze of Argument a Joseph or Argument a Joseph or Argument a Joseph or Argument a Joseph or Argument and agrees. And it is be supported that there were this system of the Casarigo, waste the rest of the Patriarchal Genealogies, on provide for the hepetit and intrudion of the System of the Iracites; who in all probability could not but be ignorant of the Fractions and Religion of their Ancestors: the systemic point and Religion of their and Wooden, which they are considered to convince their cases only of a base credibility; but of the Land spon of the Fractions and the Basth be created the Heavens and the Basth be created the Heavens and the Basth But as God did not limit and common his Fangura wholly to Algabana Rosterity but extends them to the Universal Rost of Maniting. So not withstanding that Moses were the People Spoks for the instruction of that People Books for the instruction of that People in Then Philosophen might schooling Books for the interaction of that Peop

inchesiest place, he understody aged them for the information then living in a State of Ignorance empresly by way of Argument a the Being of a God, and char he the Supreme Canfe of the World's ation Atletin Being not then b of in the World | yet he does it to extry by deferibing of those several grees and Subordinations of Life in World 1 and by thewing how whereoft and by thewing how ever make the softeness is the ferror of the Superior; and how every make the softeness is concernated and the country in the softeness is concernated and the country in the softeness is concernated and the country in the softeness i Pierbi, Phints; Shrabit Piece & to friend these to the Zaphine or Plan Arman's, which concertenates the high en degree of Vegetation to the lower degre

degree of Sculation; from the feveral degrees of Schlaston in Brutal Animals. to Man which is an intermediate Aniand that miles and comples the well and lands togethers from veral degrees of Light Life and Revfection in the Angelick Nature; and rom the Intellectual Nature, to God Somials of Eight Life Life I ations who was one University S chaires due whole World, by th or from thence defe Servations to classiff, a general Conelutions especially concerning the impol-Folliey of any thing's Existence, is no regular and warrantable way of argumenoring Hos there may be Agents of another Sort, and Powers which can produce Blieds in another way, than could CVCE

ree of Sealations from the feveral

elemin A la Cott ran Pastille de 2007 in which is an intermediate. Ani Of the Greation of Second Ca and the manner of their Pro deunistow for the bound some the Intellectual Nature, to God THE grand malons by Ph 2 idriftate; and she rollings ural Rhilacopher Aidodliams managed Principles share Not and author Noehings and the hings good peeds had a design appropriate was to formed so was beautinayed hod falls the bon in the ordinary course lose N shing produced de mons leggis, it chababages in from thence defetation But from Pasticul Observations to establish a general C clutions especially concerning the impa fibility of any thing's Existence, is no a gular and warrantable way of argume osties lifter there may be Agents of at other Sort, and Powers which can pro duce Effects in another way, than concorrection site compass of our obfervation a for we fee, and cannot bee make it an observation, that one feet tive Animal by the penter of Benfeston felt, then all the Negerables can prodire by the power and friength of We ectation And one Manby the Powe ii Natural Region can produce in poble Effects, shan all the Bruce dries we yficelly impossible. God

destablished than the whole An Mutampreven fuel avishbydin ther for as, or theirs to and diff nobale Miles having col his gie provements in Nateral Philo the Advantages of the Patriagenia declote, rand a Divine Revelation being ben bedrickly and del enginyo Fower in producing decline willy policy in Wandy Baten Thy fically impossible.

God hiving created their Second Causes by another Imperious Word, fet them on working and he gave them also a Rule or Model to work by, which is most commonly called the Course of Nature 3 and when these new Agents had produced any effect, he view dit, and gave it his Divine approbation, in these Words; " Of far that it was good (i. c.) that it was a greeable with that Rule and Model he had given them to work by; which words, tho' they be spoken ad Hominem, yet undoubtedly Moles intended by them to instruct and inform Mankind, that the World was not made by Chance, or the critisi Motion of blind Atoms, las fome fines have vicheiffically afferted i but by William; Councel and Deliberation.

And this establish d Courle of Nature, or these Laws and Rules which the Divine Wildom gave to the Second Canses to work by, he never litter up to or varies from; but upon great and extraordinary occasions. When he is pleased to give some Decionstructions of his Almighry Power and Universal Providence by which he govern the World at his Will and Pleasure; then

he canceithes divert the Natural Cances from their hims course, or by the produce Supernatural Effects; as the destinction of Natural Enterth; as the carraordinary Thunder and Lightness the Destruction of all liness Creature upon the face of the Earth by as the versal Desugn; or he can stop these their Natural Counte, as when he can the Sea, to divide and stand still, as the Sea to divide and stand still, as the Sea to move backwards.

en them to work by with

GHAR IV-

Of Light and Darkness, the comments of mixed Rodins, we show the division made the first production

A Ld. the Matural Philosophers was ing the affiltance of a Divine to velation, did agree in this; that the gou'd be no Production of a mixt Continuous, without a Sympathesical Us on of an active and passive Painciples of Activity as Passivity were, they could not easily a termine.

Thefe our great Philosopher ex preficth by the Names of Light and Dirkness which when they came iminediately sounder Gods hand, were bound up and hamper'd in one confus d Mass; which might fitly be compar'd to a dark and palpable Mist, like the Happtian Darkness which was to be felt, in which valt Fog or Milt were bound up, and impther'd thele bright librid and active Particles of pure and Volathe Ether, as we fee Light inclos'd within the walls of a dark Lanthorn ; or the active Particles of Fire when fmother'd in Afficia or impriland within the dark body of Matter.

Thus Durkness was upon the face of this thick before or Fog of Matter, until God by unother Almighty Figureated Motion; which being infused into the stagnating Mist of Matter, the whole Mass of it was put into a fermentation and motion; and whilst the contrary Qualities were acting their Antipathies one upon another, these nimble and active Particles of lucid Ether [being the most Volatile] broke through this dark Mass of Matter, and uniting themselves, caused a bright shining Light, which Moses calls C 2

(40)

Day: and this division of Light from Darkness, occasion d by the putting of the whole Mass of Matter into a ke mentation and Motion, made the in Production.

Mention Description of His were bound

park and palpanie with, Inlustra-

Of Light, the formal Caufe of a mixt Productions, what it was whilst in Mass.

or the aSive Paris Y Light is to be understood the Valt Etherial flemer which while It was in Male diffus ditte bright think Rays, not only through the Materia Regions, but the Planetary and Co leftial Spheres: This Atherial fla was the Anima Mandi, the Vehicle of Life, wherein was contain'd the Sons nal and Specifick Forms of all fublus ry Creatures, [Man driy excepted] and then danced about the Passive Matter like Atoms in the Morning San Beams until its Prolifick Slime by vertue its Plattick, Power was modifi'd les prepar'd for receiving of Life. 131 kight hining tight which Mofen calls

And

And this feems to be the fense and Philosophical meaning of Moses in the Second Chapter of Genesis, Verse the Fish, God made every Plant of the Field before it was in the Earth, and every Herb of the Field before it grew; meaning only their Seminal and Specifick Forms which were contained in a Vehicle of Light, before they were united to their Material. Vehicles.

Thus Light according to the Ma-Jack Principles of Natural Philosophy became the Formal Cause or the Male Parent of all mixt Productions.

ters of Paracic or hade Corpardes of different in the contraint Qualitations, which have a long on a Principle of

alocion infibilitato it, ran a Reclin in

Qubies of Freeze decital Scinyand manding Conversion and Leving tilling on arreing servelves began to acquieir Apriles beaution one amp her

C 3 SOCHAP:

work - Lands

and this feems to bothe felif and

of Darkeefs, the material saufations all mixt Productions's what it is in Mals, how it was reduced in Mals, how it was reduced and Motione Of the Power of the Antipotathy.

Y Daskness the other Principle Material cause of generation not meant a bare privation of Lie but that vast Mist, or Dark Fog Matter confishing of infinite No bers of Particles or little Corpuscie different Figures, and contrary Qu ties, which by reason of a Principle motion infus'd into it, run a Reel in dark confusion until these contrary Qualities of Heat and Cold, Siccity at Humidity; Gravitation and Levity, falling out among 'em selves begun m act their Antipathies upon one another; which causing them to separate and vide, those of the same kindred and affinity, by the Power of a Secret and Innate Sympathy drew together and united.

((书)

ahmid first salvalle abicle Planticles Aof Metter, which were of a hoe and volatile Nationey being made adive and ris gorous place themselves in the Gentre on Middle at the abigve ich Mivays to do in Beache of Hay , Connor , other compositions of miles Matters whereit there is a finise to contain hier tecenshafe; the Centre, they replained bon visibil adad thefor dios and frent Birister having by their natural tendency tomoderately rosself sheir Amipachy sych those Passibles of Misterit dies systems and and waterill foldsiness fording third to flydisho Gircuttlenance, and caw bue total shick stock, singer terilh Mifts; filling up not, only than with Experiment bounders the faportides of the Bush sands the Mason Horses ble all the Planes of September 1 in the Manual of the Man then simply hot dan dold to but participarties of though Houseness (sine) fach as were of an Hollicus, Pinguid, Ricusti-

felves in a midle aphere Emluio

And

CA

note and Terrane Quality found them

And

And every Chafs of Matter of the fame Kind and Species, the better fecure it felf from intermixing with th Matter of a different Nature, didd close it felf with great Dylessor R tition, confiding of Excrementing confue'd and undigefied Maner) the marged Polition of shills the Bake wife from the furling town the Centre, they most properly may ofteen di the igreater joynes of ing by their natural tendencylina. And withefe divide the ferrial ki of Matter, fasticy preferre the feet Feedersand Mineral Water from in mining; as will be more largely them when we fliall have occasion to: courle of Dykes, Rakes, Nois, Spin Riders, weron qu gailin estiid die The confist Man of mine Will being thus reduced tim feveral Ch and a regular Floring energy Class ing to fome proper Mind on which is the timer and better bige part of that Clafer as Gook Buddes and the feveral Kinds of Ores thefe all lay in locand third Sur Beds, like the loofe Leaves in an an prefed Volume or Book, or like de weak joynts in a pewlym conceived Embrig Embrio, enclos'd in a Bag of Wards in the Womb of its pregnant Mo Flame, which moving upon those yad terille for and Mitte mand the mofobile and famion Parts or Fumes it into a basis gale of cold condensing Wind; whill de An Pabyll dw ; buil the Subtantov Firmament by dividin Of the Spirit of God mering apon the face of the Waters, when is Pholosophically werent by the OF the forft direften of the Waters and the clearing of the Sublamary towards tine Centre, tine nom Chieft ether the feveral Strata or Layers of Scopes, Mines, Minerals and other Matter being shus far soulded, into Form and Orders I not according to the Laws of Stavity, the heavield fabliding fact in order and falling loss of the as Dr. Mandanad conceives, which mittake in Observation, will be made, appaired in its spents place a bactors motion of contents fairability of Natures, and an agreeable juxta-polition The whele Mais of Terren total to The Spirit of Badinoped spon the face of the Waters, which Words, if we one-

fider ambient

fider am under a Philosophical Notice manyber sunderflood of the Ether Flame, which moving upon those terish Fogs and Mists, rarifi'd the more fubtile and tennious Parts or Fumes of it into a brisk gale of cold condensing Wind; which did in the bally clear i the Sublunary Firmament by dividing of those Fogs and Sublumary and S perlunary Weeness but by consequen the Sublinary Fogs and Milts in valt body of Water, it coverd ferrounded the whole body of Lerie Master and in the Wasers lank towards the Centre, they prefer ther the feveral Strata or Layers Stones, Mines, Minerals and oth Sabrerene Darthi, as werpreis togeth the leaves of a large Volumes and our linking and digging into the Bo of the Barth, we find them lying up Flow with a Dibboand Rife; it deall towards the tops of Mountains and the Dibb towards the main Oo as the Waters telecthon and foroid up/I when they drow down interch propue Channehidaoonga ne ban, som

The whole Mass of Terrene Matter being thus Compatiand Comested to gether by the prefitnes of the directly ambient ambient, Waters ; as we prefe Brick and Tyle in their deveral Moulds sinhe Ges tral Fire did by its hear balle and confolidate those Stones Mends Misses and Minerals that were of a fiery nature, as well as those of an uncuous and pinguid quality, into their several degrees of Confolidation and Induration; whilft the Anteperistical Cold, together with these perettying microsoffels and Nitre which then did abound mall the fix and indigested Strate did perrify those Strate of a Terrene Nature into their feveral degrees of Inditiation and Lapidifaction.

By their Natural Graderion take Earth became fixt upon as Denter, and the Waters a fluid landy moving such time culating about it a such that dother moving such time culating about it a such that have facility and make one. Terraqueous, Globe of a Spherical and Mathematical Roundity a sile that Lines from the Superficients the Control being of an equal language.

Thus the space between the surface of the Waters and the Mosula Forces was glear door all those from and Milts which ranged about index And

Milts which ranged about with And being fill'd with their Air, Mefor calls it the Firmamene of Heaven which made the focund Production (nis.) of Space, space, wherein the Under agent of cond Caules had room to work produce effects of a higher and me noble Nature and Quality

is sivell as those of an archivers and muid quality, into their leveral decess of Confey area of Decrations

The division of the lower Water of the Subject and Subject and by who had subject to day Land appears

HO this great Embrio was refresh Air syet it could not be delived
from this great Bag of Water, where
in it was enclosed, by any innate Poste
it had in it felf, without a Supernatura
affiltance. The Almighty was please
therefore to play the Midwife, and it
deliver it by breaking of this great
body of Water; and by dividing of the
fweet from those of a Saline and Brak
ith Nature.

For a foon as the intermediate Matter which made the Shell of the Earthwas reduc'd into Form and Order; and

pagi

the

The Sale Water being the Bedement of the whole Males and likewife their too blick to penetrate and pall through the fusic Porce and Strainers of the folid and condensed Marter, did grade ally draw down to its Changel tw And all the Veins and Porce of the Earth to ing now Saturated with fweet Water; the Subterranean Lympheducts, or underground Water-works began first to bubble up and play from the tops of the highest Mountains; from whence the Rivers took their first rife, and began to form their courses to the Sea; and by their rapidity and weight continually prelling in upon her from all fides, swell'd ber up into a Gibbosity, and forc'd

fpace, wherein the Under agents of cond Caufes had room to work produce effects of a higher and in deter the william be state of the bar had

as well as those of an endpoors and and quanty, into their leveral deof Coffee of A H Oderation; If the Anteperilitical Cold topether

The division of the lower Winers and Nubiferous; and by wh Gradations the day Land appear

HO'rthis great Embrio was no breath fresh Air syer it could not be deliver from this great Bag of Water, in it was enclosed, by any innate Pos it had in it fell, without a Supernatur affiltance. The Almighty was pleas therefore to play the Midwife, and I deliver id by breaking of this gre body of Water, and by dividing of the fweet from those of a Salme and Brak ranged about wins A th

For a foon as the intermediate Matter which made the Shell of the Earth was reduc'd into Form and Order ; and

optal.

the

the feveral Strate or Layers of Stones, Metals, Minerals, and Subterrence Earths with their cross-creting and dividing Dykes, Rakes, Ryders Veins and Strings or Side-branches had received from the heat of the General fire and the petro-tying Juices of Salvand Nitre, their remainderers of Salvand Nitre, their remainded and Lapidingtion; the thirty Manager gradually make in the thirty water, until all its Veins, Dykes, Oakly ties and Pores were fill d and faturated with it.

The Salt Water being the Sedenten of the whole Walst and like wife Being too thick to penetrate and pair through the fusis Pores and Strainers of the folid and condensed Matter, did gradeallydraw down to its Changelsw And all the Veins and Pores of the Earth 198 ing now Saturated with sweet Water; the Subterranean Lympheducts, or underground Water-works began first to bubble up and play from the tops of the highest Mountains; from whence the Rivers took their first rife, and began to form their courses to the Sea ; and by their rapidity and weight continually prelling in upon her from all fides, swell'd her up into a Gibbosity, and forc'd

force of her into a content flux and a flux. Which reciprosation of Main cauting in her a boyling Fermental the fivest Water does differential the fivest Water does differential light rifeth up in Fumes and Vapours which they be poodent the flouds I which falling down in flows of fivest Water upon the Barth became the Sucret Naturitive of the fiethy parties of its giving not only a vital name ment so the feveral Kands of Animaliving on the outer Coat or Skin of its preferring the Subterranear Water by preferring the Subterranear Water by preferring them from walkings.

The Waters being now divided to Supertervaneau, Subterraneau and Nubiterous, the dry Land appears and was gradually prepard for both an habitable World

now Sampated with taret Water the Subservance of Lympherium, or mederground. Water-works began first to with the grant of the last and play from the tops of the last took their first of the seas and began their couries to the Seas and by their rapidity and with the continuation rapidity and with the continuation rapidity and with the standard of the first all the seas and seas and seas and seas and standard reprint and seas and sea

and these imagnalities upon the feetace not doin C HOA'P. 1X J add to

Of the Primeval or Antiditurian Figure of the Barth soinfrague

R. Buret in his Theory of the Dr. Bur. Earth, conceits and endeavours are inconto persuade the Worlds that the Primeral Easth was Substically on Mathe-matically, round, without Seas, Mountains or any inequalities upon its Sur which being only product in a Vasas

Which Hypothetic (or cathe ous Concrete) forces in the field place be inconfiftent with the Oniginal Re of this Material Gishes subtch be deligned for a place of Habition feveral Kinds of Animals of a miss and compounded Continuous, whose air tal flame is nourish dand maintained by a continual respiration of a faft and vaporous Air ; which must not only be trequently fann'd with the brick gales and blafts of a cleaning Winds burgels frequently falling through it; All which have their Original cause from The Caus the confrant flux and reflux of the See of the

politicies

to

t

2

C

and those inequalities upon the further of the Earth: Without which then would neither have been an Atmosphere Wind, Rain, or Air; but Superficies of the Earth would have been [by the Sun's Beams continually beating upon it] Baked and in crusted into the hardness of Brick and Tyle, and the hardness of Brick and Tyle,

This Hypothelis feems also inconfille with the different Matures of those A. male which the Almighty Crest har been pleas'd to flock it is former which being only produc'd in a Wan and Pertile Soil, others only in a Col and Sterile: So some Animals delign others a more blesk and piercing Sera oberries and Gilliflowers will he thrive upon the cops of cold and berre Mountains; nor Mountain Vegetable in the most fertile Soil, or best prepare warm Beds: This will be made more clear and evident when we shall give secount of the natural uses of the Flux and Reflux of the Sea, and those inc qualities and irregularities of the Partir Surface.

Mayo been of an even and Spherical Superficies

perficies feetis inconfilent with the different Kinds and Natures of that Matter of which it confifts 3 fome of which being hard, others folt, some fixed others fluid, it cann't be imagin'd that all this variety of Matter would lettle in a Figure Spherically and Mathematically reund. To street the sould lettle in

From shele Agustus Warpay without being goilty, of any great prefume tion, conclude against Dr. Berset's Hypothelis, that as the Antediluvin Barth confifted of the same Matter with this prefent Parthy and product His Tine Species of Animals, of the and chin finesoli that now we find it in, . 46 Chobe and mathematical Researching in And chan thefe trangul Inequalities of this Terrestriated did not there their Diffupuiono militan mequal, and diffinguith a with

Dr. Woodord 1 conmodifican of himself.

tains, Valleys, as also with Span La and Rivers on Moures of will has g of which it could be fome of which ghard, others fold fome fix'd a es fluid, it cann't be imagin'd that this varidy of wheth Dould fettle in of the confittently and Mathematic -diametrop of the Kolaslodens of a conclude against minelis, that is the Antediluvin Earth fifted of the fame Matter with this HE Constingent pants of his er ranguentif Globeinte bee localities different Chilesoft (wind Volatile, disk danie Vlaid these best equal proportion due to other, and in the Smidnes Easthedichegupy the fame due qualities of this Terrestriaborities ilited ristally distally od That and shalphur de Microse abiletion loss shelf histornal bods ad affinity) publishibeten rallwaffeth a plobalant ligate, sin the Wilter ! may bedipposid to be divel mequal, and diftinguish'd with kirari tains,

erd's contradiction of himself. la Thio Rigues behavior othe Batential fine appears in daly good antaloided had the by the compensary and the bis is as well the cause of the frontiers That valt fabtheranean Waniputies in shievolatila Globarof Cambal Circles containd fwhich she blicesis salt ife Bally of the Karsholl may be supper date in subscribes could decisenting operation of the section of the fairle strains of the section of the whole Body of the Earth, without

The natural lessalthin General Blie curve; berald slogbur tor shing hiral the width in faculting the thereis are district until to in General in the Monthern for the transport of the case in the bay of the case in the bay of the case in th whole engineent of history confirmated gight gived less melli biochier deveraliste ratared Orien. Metalin schiffnensbolan Letter. Schillidations is the charter of the Sections shear depresent of Ores, their different dagrees of Bo-The Central Engineers beingen

mude the Vindiblatonidectano paly 2. Ufe. truscabe Electrical and Publick Sentialfo D 2

shid greated and little Weins of a place of a sufficient and place of the sufficient Dame governor and all the Electrograms and Bissed of the added the Electrograms of posts of the Section and despite and despite and of Manter; grammodific feveral man of these difference Trickums and despite lours; this magnetic hecklustrated by the cell Analogous Experiments and Objects and other trusts; as in the boiling of Objects and other trusts; as in the boiling of Objects and other trusts; as in the boiling of Objects and other trusts; as in the boiling of Objects and other trusts; as a fact to be suffered to the off Reconstruction and the Section of The Central Enough the Section of the Section of the Central Enough the Section of the Central Enough the Section of the Section

The Central Fire Dy Finning a perpensal Round Spitting the Round danies of its own infertal Yadley list-ries the Shell of the Earth about night

4. Use.

O

It,

(37)

Stones, Metals, Mines, Mines and it is doing to the call, Mines, Mines, Mines, Mines, Mines, Mines, Mines, Co. 2016.

and distance sticked birth is appay that are all Metallick Rales, Co.

Of the Inequalities of H S

Of the fixt part of the Barth: And madiates of the Ser Pace Beer Natural Cantes and ons and Depressions of the self Using tas, and thefe are cau'd either by the PANE fixt paroidfabie Telesquests my be deferible ther date in Bite persion de lineiros confiliences of the greater Rivers, which following of The Experior paraconfile of Ma tim, Heathig Dales Plaines Velleys, Withsthe Chambel of the Sea Stort Ha at The Interior confidences of it are the Stratz vie Bechsof Seines, Metalschlines, Minerals and Subterranean Earthshall lying upon Flats with a Dibb and The leffer Dikes and Joynts wild monthey are Dikes; Rakes; Riders, Weins and Strings gither crofsconting caple

Stones, Metals, Mines, Minerals, de succession distribution de la confession de la confessi

Of the Inequalities of the Barths

I. Use. Superficient of the Elevanian of

cons and Depressions of the solid Strates and these are cau'd either by the greatent all Kein which pivile at a greatent all Kein which pivile at a distribution, and a less strated by the distribution and a less strated by the makes distributed and a Maser confection the greater Rivers, which following their which windings and quarings still they amply themselves into the Sea, enter all those phasent Distributions the Mountains west out, all the short strates into a particular and the short strates and the strategy of th

The lefter Dikes and Joynts which divide the Stones of construction which kinds by throwing them up and days.

2. Ufc.

canfel all those defler Hills which as The quell delighe the Epc with a graceful and the variety of Objects at ratinggrave and he cherific the whole Body with a more cool, clear and wholfomer Air to and I ril Worlde that constributes more towards the making of it Helpsahle, then thefe in a qualitien upon its Surface dos hay of Springs to bicak forth and bub-For, Birfoothey opcation, all the different/Kinds and Natures of Soil The Caule which produce the feveral Spacies of soils and Vegetables fuitable to the feveral Na Natures of mrs of shole Animals shar feed upon them: The Enrel's Surface bring, God's Sorthonfe, my herein is provided Ecod and Nourillanent agreeable to the Alasire of every Animal, and every living Greature by la Natural Lafting knows in proper Food and Nourithment, and sign to the best dwo best of which They morafion inlighted different qualities of scholast, is Warm, Cold The diffe-Thick, Thin, Moift and Dexor for as ries of the God has provided Food fintable to the Air.

leveral Naturation feed one to the bas

lo noù Springs,

Mone, or break forth at Dity, 16 clinichtes Be

sloot and Industrious Miner may men

provided Ain Satrable to show Natures

The occafion of Springs, erc.

Those Inequalities upon the Re occasion aft those Springs Mine Feeders and Medicinal Waters, w break out in Rapid Streams for Tops of Mountains, and the Skirn of leffer Hillsgi To that as God has pro vided convenient Food for every An mal to feed spon, and agreeable al to breath in . He has likewife [by an fing of Springs to break forth and but ble up at the Foot smolt of ever Hill] provided convenient Water to every Animal to quench its Think Matures of

Wherens if the Earth had been of Even and Spherical Superficies, cover with one folid Strata, or incrusted O ver of Executy Todoube we mould be been forc'd to have Digg das deep Dr. Burnet and Dr. Woodward's Aby before we fliow d have mee with Will fufficient to have quench door Thirly and its alfolloubiful the when we had found it! It Would not have been Six hick, Thin, Moit a smellod box

Of the breaking out of

Pener Lite.

Thele inequalities hillo cauleb feveral Stratif of Stones Mineran Ores & Thiving Michael Rich Mines, Gre. break forth at Day, fo that the lige pious and Industrious Miner may meet with with not only Stone for Building of Houses Coals for his Fires, but the fel veral Rinds of Ore to muich his Coflike to many Hor-neds whiching in

These Inequalities also produce all thole Pleafant and inot Profit Copies and Thickets of all Rinds of Trees or. Trees which delighed tholt to grow where the folid Beds of Stone are weak and broken and the near day, and where they may really thrutt chete Roots theo their broken Joints and fink the Plaine, da of the Plaine in the Plaine the self of the Faith; and became not only the meat Pilla's and Supporters of the whole Papricks but he full 3 is Banks that broke the Circulation of the Waters, and weight H. O dry Land

that sopear'd. Of Mountainty chair Original Caule, Confestences guill bi diament difes; Reflection of the sun Coope have always a Cold and Condens have upon them, and finiking a Level with WHE Mountains are the Ebullatin The Cana on of Maden occasion'd bythe win. Central Fire, white is was in its city fall down as Shomogi Villana dighetel Condens'd by the riffing of the Ground Cold They

file accs.

The occafor of Springs, Crc.

Those Inequalities upon the B occasion affithose Springs, Mine Feeders and Medicinal Waters, wh break out in Rapid Streams from Tops of Mountains, and the Skirte leffer Hillsy fo that as God has pro vided convenient Food for every At mal to feed opon, and agreeable al to breath in . He has likewife [by fing of Springs to break forth and h ble up at the Foot smolt of ever the die every Annual to quench its This Matures of

Whereas if the Earth had been of Even and Spherical Superficies, count with one folid Strate, or incrusted O ver of Earth's T doubt we thould be been fore'd to have Digg das deep Dr. Blerret and Dr. Woodward's Aby before we flich'd have hee with Wal fufficient to have quench door Thir and fit all deabiful the when we had found it; it would not inveloce Si Mick, Thin, Moift an smellod Whois to all the both the shift and the shift appendix of the shift appendix to t

Of the breaking out of

tide of the

. Koldinson V

feveral Stratte of Stones Minera Ores, Ow thaving a Marinal Rife on Mines, Ge. break forth at Day, fo that the lo pious and Industrious Miner may meet with

with not only Stone for Building of House Coals for his Fires, but the tel ten! Kinds of Ore to mrich his Coflike to many Hor-neds which wish

Thefe Inequalities alfo produce all thele Pleafant and Imole Profitable Ofthe pro-Copies and Thickers of all Rinds of Trees, or. Trees which delight that no grow where the folid Beds of Stone are weak and broken and typ near day; and where in hey imagine align thruth their Room into their broken Joints and fack the Plaine, La Of, spride lareniM et al the reft or the Earth; and frequine not only the great Pills s and Supporters of the whole Pabricks but the infill the Banks that broke the Circulation of the Waters, and Kerefish H. Ony Land

Of Mountainty obein Origina Carles Confestences and bidianisal Alfes; Reflection of the sun Clober have always a Cold and Condensity upon them, and finising a Level with THE Mountaine are the Ebulistic of Mountains of Mountains. Central Sire, when it was in distill Awengin and Wigourone or myob that Condens'd by the riffing of the Ground

Cold

Their Cod. difference.

They

1. Ufe. fiftences.

To They butlis of fuch Strate of Stone TheirCon- March, Ragge, Chisters, Cilly Short ate of at Hotoquality s) and thefe an like to many Hot-beds wherein the Street kinds of Oreschein'd their Con-

organio continua Tas well astheir differenti Perfection distribution for design Trees, er. as begeafter will be gibte fully them

al des gaiffides seithnom confiais Their Na Matter at is of Het Quality land b tural Ules ing bound with Brong Gilley which he ving aquicker disforthan their apos the Plains, do lift up their Heads show the rest of the Earth; and became not only the great Pillars and Supporters of the whole Fabrick; but the first Sew Banks that broke the Circulation of the Waters, and were the first dry Land that appear'd.

3. Use. colline Topy of the Mountains reaching a bigh de the cold Regions of the dir; andhating but the advantage of a fingle Reflection of the Sun's Globuli, have always a Cold and Condenting Air upon them, and striking a Level with The Capife the Gibbolity of the Soil do by the of Mount Sympathy between Cold and Coldina the Vapour to them, which either

Thev

fall down in Showers of Rains bein Condens'd by the rifing of the Ground

Cold

Opld 5 pre stredratified sinter Wind the telling of the Sphere to Residential one which seemo will, be becaute in an plain's when weld acribe this Name of will give account of. Winds.

All the persetel Dikes and Divisions 4 Ufe of the Earth Candibase strendy who mert in the Mountains as the Vend do in the Naska phartimals a land their being the greater Naine of the Earth, by dividing into laster Vaita not illumentees maintain and in preferve Ausconfrait Companies the whole Body (10) 2000 ter through the whole Body (10) 2000 And phiese the only Realons that the Books of all the greatest Rivers in the Warld have shore Rife from the Top H Sides of the digheft Meditteins which by following of the Winding and Turnings of their greaten billes or letter Disart Reders, are increased from imall Ravedenstitte large and Managable Rivers, which of the last out pay allem-

filtes into the Maio Ocean: 12 box 216.
15 The Declating of the Mountains gives 5. U/c.
Repidity of Mountains gives 5. U/c.
does not realy-professes their five established for the hencity of Men and Beathy but. alfo

alfo low proffing upon the Sea from all fades fwells her up into a Gibbolin and is the only cause of her Plus and Refine which the following Chapter will give account of.

6: Use and with Decliving of the Moon gives flapidity of Motion to the Ri facilit gives Monos coutse Winds Airs For as the Condensation of pours baufeth an Imandation in the ters ifo the Rarefactions of the potes and Dehalacions caluftin at dations and Overflowing in And those Lateral blasses With come to throng a poerty, and only of the kingland the reating oftentimer bear upon did N only the breaking forth of the upomuhe fill Body of the Mir their putting of it into a lepid h which is increased by the Defet the Moderaint; for Air and W the times in Species diff

degraes of Thinges and Finding only to degraes of Thinges and Finding of India, I form 7. Use. The the Mountains are desire grees to lars and Supporters of the Earth; this should be a supporter of the Earth; this should be a supporter of the Cabustant of the Ca

olls

el Ornament of the Superficies ; giving not only a most Mealant Prospect over the Plains and Valleys, but terminating the Vilive Faculty with a grateful variery of Objects.

of Objects. A A Natural The positi-Polition either in Ridges or Glafters; on of Mounta with great Dales, Gills and Valleys, were fairthe first feeting of Marrer al on even Superficies; box their logous Chiver and see confined Macker, with on frong Calls of Server of Stones to The Ingre- 18 Court of the Ingress of the Ingreend and Tempeth of Ring (Set Land) HE VERSON DAY ON DESCRIPTION OF THE PROPERTY O and many the Reside why thought a service to the service of HE AND THE YEAR PENGUIS OF THE STREET OF THE oblighed the warmelt Sun, by reach

dients of Cost

(46)

of its Bosms being Bellefied from of off a molt stanted size of Plains and Valleys, but terminating here faculty with a grateful vari-

के गठ

Mountains. ith great Dales Gills and Valleys we

The Ingredients of Coal

The Caule of Gills,



survey Waves drove up th

Hills

Mountains, and torred their Streets of the Stones, Metals, one to have a Rife The Came sowards them, thereby making a Chan act of the Chanel to Spacious as might contain to Vall Sea.

Body of Water, and keep its fraver
Waves within their proper Largies and

Waves within their proper Lamits, only Their Stones, Metals, or had their degrees of Incrustation and Lapidifaction from the Central Fire.

CHAP. XV.

Of the Channe doly H Say Sec.

and the Police was Plater and Co. A seed of 10 lennary and count of one of the control of the co

Fish and Indirection they stackly from fine Astrophylical Cold from the Mark Part of the Mark I seem of the Stack part of the Part Strate part of the Stack part of the Stack

CHAP. XV.

Of the Channel of the Sea, &cc.

A Sthe Valley link devergrades

A ly into the Channel of the serious of the serio

The Caule Rivers to Incorporate with them,

of the Seas which is the perse readon why she Riven Gibboffey. Which is ber up on both lides of the of close fluid pier of the first indicate the control of the contr in the middle, and bothe call weight and firength of her Wave HEALEN WAR PORT BEST Chapter | Same Perimone of the Printer of

Mais of Water, and the the mandification then s The Cause of tradition of

of in Re. 1

Tide and Controlling

Dead. Tides.

(30)

Gibbofity.

The Case Rivers to Incorporate with the of the Seas which is the same reason why the Ri (wells her up on both lides of hours and the weight water over balancing the w in the middle, and by the the weight and strength of ber

of Variety and the State Hilliam inc Sea.

CONTRACTOR OF THE REAL PROPERTY OF THE REAL PROPERT

The Co of its Reflex.

Stroaks at every Tenth.

(分)

mather Learning Serie Derwich THE The Canie Freili-Water and USE Bart cannell with of the Services BRIEFILLE BROSEL STREET OF WELL ST South the Sweet River water it by the original with a whole whole when the whole water to be round the whole water it by the confidence of the round the whole water in the whole water water than the whole water water

Augrant of the control of the contro

College Bridge Bridge Bridge Handle Chine Sustained

THE WHITE CHIEF SECURITION OF PERSONS AND SOUTHWAY IN USE OF THE PERSONS AND SOUTHWAY IN USE OF THE PERSONS AND SOUTHWAY IN THE PE munication

(52)

The Caste et de veus-

The prooction. ter bears to the Sea

munication of Brage between Land and, tho at the greatest distance.

Tho the Sea and Main Ocean to contain a vall quantity of Wat et a being compared to the Subte nean Waters which exculate theo the Veins of that great Body, an contain'd in the Strate and Po densid Matters it will scarce bea lame proportion to them that Ope to Seventy-two, for if the Comput of those Learned Men be true who Account that the See and Main e half of the Ole the Channel of the Sea of compard to the L neocliarity follow that it the a Mathematically Round it won the Whole Globe only that Mile which peaks but From the Circumference of the Cartington Twenty one the Mile docate Twenty one the hundred Miles Again, the of Twenty-one thouland by

Miles being Seven thouland two dred, of which have allow as merer to the Center or Bell Earth there will remain Three

of the Saleorly To don Seg.

The Caule

Les lifes.

munication

fand fix hundred Miles for the Sh

(好)

day of it, to which Three mountain h hundred the Pluid part of Superier agean Water can bear portels Propor don than One to so Muddred! Which Computations being granted (and in ed they cannot restousbly be de of the whole Body of the Earth there will be found Thirly lix Gera the of Fluid Watter which bears

Hantan Seas or Oceans.

To firengthen the Hypotheth May further add that to finking of the far deeper we fink, we raile the mote Water and that Stage or Mine of coal which at Three Fathom Deep om fix Tubs of Water in one Hour, outsiming Thirty Callons a piece, at it fathom it will double the Number. nd id on on the Water be lavincible in Hogineads full of Water the high el Tap runs flowly, because there is inte weight of Water upon its but the middle of lowell Tip will ran double d treble the Quantity in the lame time, here being double and troble the welche of Water poor it.

Again, If we do further add that belides the Water that circulates in the ion of the Earth, there is to much

of Water Intermited and Incorporate with the Fixt and Soled Matter, that Stone Metal, or Coal I when its Digg out of its Living Strate or Bedal immediately exposed to the Sun or Fair will in a thore time want of West above an Hundredth part, the Sun or the sand of West above an Hundredth part, the Sun or the sand of West above an Hundredth part, the Sun or the sand of West beang Expald.

Of the greater Veins of the Earth,

Earth, are Principally Four; and change Beds where the greater Dik

(55)

the Rath, as foon as we prick [with our Digging Instruments those Kells of Clay on which divide the feveral Strata] we prefently raile their Feed-

And if any [who being prompted ether to grafific his Nethral Curtofity, or gain fome confiderable Advantage to himself] would raise a new River up- To saise on dry Ground, let him go to the Foot new River flome Hill or Rifing Ground, and be a Level-Dritte the to beginst Advantage or mil Names and as the last in fat deliver the Prante and Admick of this Margall Personation as to reader it uncipal leval being an translatic world.

And thefe as I suchquakes, Homicares, Vuluance, .. violene Ensprion of the Subterrancen Waters, as at del sol lo encient & tool RUAY. terranean Air cauling the Springs and Mineral Feeders to fink down into the incrior Parts of the Earth ; Inversity Dia:

(88)

Leging Introducts the Ewith our Digging Introductions the Kels of Cay Ontwhicle As interprete for rate and we preferred and their best of the Preternatural Accident to the Cay of th

mielt I would raile a noos kire up-

cound, let him go to the Foot new Rivers to To rafe

Avide in the fort of Country of the leveral First of the Nature of the leveral First of the Nature of the leveral First of as Pfind. It was not be improper to subjoin in Access of the Frederick of the future interrupt the regular Courted Nature; and at the last so far delitor the Frame and Fabrick of this Material Part of it, as to render it uncapable of being an Habitable World.

And these are Earthquakes, Hurricanes, Vulcano's, violent Eruptions of the Subterranean Waters, as at Nodo's Flood; Stagnations of the Subterranean Air, causing the Springs and Mineral Feeders to fink down into the Interior Parts of the Earth; Interrup-

tion of the Circulation of Vapours, and Rains upon the Earth (as in the days of Elifa the Prophet); violent and Preternatural Thunders, such as deftroy'd Sodom and Committee Thele and the like," are the Accidental Diftempers that have happen'd in the Body of the Earth, and they feem Analagous to thole Fevers, Agues, Convolfions, &c. which interrupt the Healthful Conflitution of our own Bodies, and are fometimes deftructive of And as all the Difeales and Dihimpersour Backerage the jett to the ve their Original from Accidental Heats or Colds, which either Sublimates and Exals one Animal Spirits into a Foerilb degree of Volatility or by d and Aguille Damps depreffeth cit, many a degree of Stagnation

so all those Accidental and Preternatural Diffurbances that happen, in the Course of Nature, have their original Cause, from the several Kinds and Natures of Damps, which are,

cer fire that environ this large Verlt; and do

break . break

e P-

tion of the Creplation book vapours, and Rains Viller 10 February eys of Elifia the Prophet; 3 violent fuch as nd Prete chroy d Sodow Silo Accidental Diempers that have happen'd in the Boof the Earth, and they frem Anamole Fevers, Agues, Coninterrupt the -offine CHOAR WILL HOUSE colds, which either Subitmates and Var between A Subter- Subtergrapean Water and An range be Circulates through those great tween Fire that environ this large Vault ; and not only Feed and Nourth that infernal Smother, but keep and confine within its own Boundaries, that

rok not forth in

Crack

their Ei-.181

(66 Crack of Chain which ope iwallow d no the Tents and no don Shock Bruck a Terror in or if the grand Strong and Vehement vates the whole Classabove ficies of the harth, forg solw the Vault and the wacane mediately fill d with Water Look Dr. Woodmard's Abyle but to eins of the Earth which When the Damp fices near or some of the great Joints of Class of Earth, the Plates purioes all and Turnings of their Clifte until it oreak forth in Tree Hurricanes ; either under the Sea, o cationing most Horrible Disorders at Perturbations, railing its Surface in Prodigious Waves, Tolling and Row ng them about in most strange Whit pools, Overstrening and Swallowin up Ships in an inftant : And upon th

der Lind Overturning Cities Town

A Conces tion of bail

> Of Hurriceins and beir Ef-Édi.

> > LOCAL A Earthquake.

> > > Blowing up Mountains, Offings at lois Crark

Tho'

The these Estuch of the Subservanear Name Peters Ranifert and Dilance
by the Course Plane be very Draidint, yet if these Fillines and Spiracles
through which they get a Vent and
break out appropriate Earth had been
Perpendicular [MadDa Weadmand Conpets] they reput de have Delivery de ha
whole Surface of the 119 This laying

For then, every one of shafe defice.

Damps or Squibs which delignance fire in the Subjectionean Moult, events have broken out upon us.

Again, I prover Sulphanners of acons which was a beyon exceed a province and a sulphanners of the control of th

10

Dr. Weed: need nopendicular Piffures is a miffake in observadon, I

2.

Dr. Weedsowel notion of perpendienter Fifferes is a miffake in observa-

MILL WAR

Sensi of this Habita he Globe that the Philippe of the Habita he Globe that the Philippe of the Earth Historical and the Sairfice will be Gotter in the Sairfice will be said the Sairfice will be said the Sairfice of the Central and Terrend Danger Sairfice of the Sairfice will be said to the sairfice will be sairficed will be said to the sairfice will be sairficed will be said to the sairfice will be sairficed will be sairficed

continue of the relative of the particular of the state o

These Phenomers of Contrast Pages and distribute and the very contrast of a temperature of the temperature of temperature of

foot y

(69)

in bever cannot be tanger a by any A BRE OF BREEF STORY OF THE PARTY OF THE PAR THE RESERVED THE REAL PROPERTY. nal Cavetter todald the The and that there should be Trains laid from one Collection to another, and that all these Trains shou'd take Fire through all the Subterranean Rivers in one instant of Time. Neither can it resionably be supposed that there should be a Concustion of the whole or half. or any confiderable part of the Globe, by one Subterranean Flater; but what is from the Central Vanit.

Again, The Confiltences of the greatest part of the Earth being rather at a Quid. Terrene and Mercurial, than of a Bituminous Nitrous and Sulphursous Quality, it cannot be imposed that those parts of the Earth which afford

164)

letter & Concustion of ut from these Cen nd that there (hon'd be Trains laid ion one Collection to another, and hat all thefe Trains mount take Fire brough all the Subterranean Rivers in meinstant of Time. Neither can it reaontoly be fitness'd that there flourd bes Concultion of the whole or ball. or any confiderable part of the Globe, by one Subterranean Flatur ; but what afrom the Central Vault.

Again, The Confidences of the greatest part of the Earth being rather A ACHO Terrene and Mercurial, than of a Bittemirrors Nitrous and Sulphure ots Quality, it cannot be supposed that those parts of the Earth which afford

iv a Obality are commonly very Ca-

Of Terrene Damps, and their Dread-

either from Heat or Cold, and are either Fiery or Waterish. Those which have their Original from Fire, are of the same Nature with those Central Damps we have given Account of

As all Local Earth-quakes do more frequently happen in the Mountainous Countries, than in the Plains and Valleys; because all the greater Dikes, Joints and Veins of the Earth, contract and meet there? And the Flains which is the occasion of the Shock makes its way by what passage soever it can get Vent.

But these Mountainous Countries especially, which yield great store of Sulphur, Bitumen, and chiefly Nitre [these Minerals affording the greatest plenty of Natural Gun-powder] are most injured by those dreadful Shocks, because those Mountains whose Natu-

F

Of Burning Mountains.

ral Consistences are of so Hot and Fiery a Quality are commonly very Cavernous; and their greater Joints and Fisfures, as well as strong Strata having by leaguene Concustions and Earth quality lost their Natural Forders are become the most proper Receptacles for thata Fiery Stores to be lade'd in uni cithen the Central Fire, or their awa Natural Heat being contracted into a Point, Discharge fielt the lowest Danie and the reli by Trains like to man Subalterns discharge in Courle, and fometimes for feveral Months together till the Subterranean Gun-powder be all Gent.

And these Burning Monatains such as Hima Vefazins, Heela, and others, are Valcano's only to many Spiracles or Valcan kerving for the discharge of these Sub terranean Damps, which difforgeth Flames of Fire, and Stones of great Weight and Substance, Showers of Sand and Rivers of melted Minemis; and yet these Mountains by those Valcane's Tole nothing of their Height of Mag situde, all thele Bruptions being Recruited out of the great Magazine of Natural Gun powder contain'd in the Informal Vanit.

Belides their Damps of & Flery Natore contained in the Interior pares of the Earth, there are others which former times happens in the Exterior parts of hy fuels as those Flery Danies in Collates are only the Peripitations of Sulpher and Nitre out of the Cole, Wall Her damps or Mine, Collected into a Body and ries. thefe either rake Fire at a Cattelle, or the fo many dry Exhalations received Their Liinto the Body of a Cloud, and dip fees. durge like Thander Makes the Earth about the Collery, kills the Miners, and have other Diesers sheds to

公子 的人名 如 明 如 以 下 在 內 十

第 0 品名 年 2 Q 出 G F 等 4 4 4

To thele we may add thele Preser. metrid Ebullitions and Erupelein of Bubreruncin Witers, which Mofa calls the Breaking up of the Polaritation of Eruptions the given Deep . And thele whenever of water. they happen spont the Barth Pas at Mis We Plued | we were from'd by and trade verist Permentation and Diletton of the Central Fire, which gaming ground upon their Plant Neighbours, force them into a most Rapid Motion through all the Subterrallean Vells, and confequently canfeth those volume Empirous of Water in all the springe Rivers , Joint and Finder of Earth. And

gaisil

Some-

Of water Damps.

Sometimes the Circulation of the Subterrancan Waters flagnates a finks down into the Interior parts of the Earth; the Springs and Rivers de up, as in the days of Elifbe : And the is occasion'd by the stiffing and dame ing of the Central Heat, the Groun ambient Waters prevailing uponity to Sometimes the Circumbient which Circulates in the Exterior pan of the Earth, especially the Cavern Joints and Concavities of Rocky Stone and other Metals [and is the only cause of the Eruption and Motion of

and fill those Caverns and Jointa from whence they flow until ther weight of

ther Damm of Stagnated Airs and then follows Eruptions and Overslaw ings of Springs, Rivers, Ordana and

the Waters break the Damp, or the

Springs, Rivers, Ore J. Damps, and Stagnates, which forceth the Spring and Eruptions of Waters to stand back

An Air Damp.

This kind of Damps I have met with fometimes in Colleries, where the Water made way for it felf in such Joint and open Closers, as it met with in the under Cills; especially Lime stone which is of all Stone the most Jointy and Open. Earth

-one C

And

And when the Air in thefe open loints and Cavities was dampt, the Waters stood back in the Working, and forc'd the Miners out of the Pit, until the weight broke the Damp, and then the Waters Drain'd

This Damp most frequently happens A sweet in the Summer Months, when the Ambient Air is Thick with Hot and Fiery Exhalations, and the Effluvia of fweet Blosfoms, especially of Peas and Beans. And this the Miners call the Iweet Damp.

This Stagnation and Damping of the Subterranean Air is [in all probability] the cause of the Annual Over-flowing of the River Miles the Horary Overflowing of the Spring at Gigleswick in Tork foire, the Deumming in the Well at Bottes the Did strong of Sons , erten

And these being by Men of Learning reckon'd among the Magnalia Natere, we shall enquire more particularly into the Causes of them: And first of the Over-flowing of Nilar.

Nilw is one of the Noblett Rivers flowing of in the World, and is famous not only Nilus. for the long Course it takes through Estiopie and Egops, which is supposed to be Three thousand Miles before it empty's is felf into the Miditerranean Seas

Sens but also for its Over-flowing and Fertilizing that Low and Level Country, supplying in a the want of Rain.

Tis believed by Men of great Leansing that this Tearly Over-flowing of that Country is occasioned by the great quantities of Snow diffolwed upon the Mountains, from whonce it takes in Rife; and these [as Geographers give Account] are that vast Ridge of Mountains, which for their Height bear the Name of Montes Luna, art their lufty Tops washed their Headt in the Moon's Waterish Vortex.

Others are of Opinion that the Year ly Overshowing of that River is cannot by those great Rains which fall every Spring in the higher Hobspia: But it either the Dissolution of Snow, or in undations cans d by the falling of those Spring Rains, were the true Rainford, Or, they would also cause the other Rivers in those Countries to Overshow their Banks at the same times which is so for from being Observable, that when Niew Over-Rows, the other Rivers are at a very low Ebb.

The Cause then of this Fearly Over flowing of Nilus, which begins shout the 17th of June and continues until the 6th of Ottober, seems to be a Subterranean Damp, which Yearly Stagnates the Circulation of Air in these valt Rocks and open Strata, from whence those Rapid Springs and Feeden flow, which are the Heads of that

Famous River.

The Subterranean Air being Dampt, the Springs and Mineral Feeders are fored to frand back and fill all shufe yalt Concavities and Hollows for feveral Miles upon the Side-rife, and forme Miles upon the Top-rife of those Rucks and Metals; until the weight of so valt a quantity of Water [which may be compared to a letter Sea] breaks the Damp or Damm of Stagnated Air, and then the River begins to Over flow, and continues until the Waters be spent, and the Damp gathers again.

Its observed that when the River Niles begins to Over-flow its Banks, that great Plagues break out in Cairs, which seems to be occasioned by those gross Vapours and Mineral Exhalations that arise from so vast a quantity of Stagnated Water, which I whill by its Motion, its Purging of it self and recovering of its Sweetness I sty about, cortept the Air, and cause infections.

This

38747

F 4

The over wick Spring.

This Subterranean Damp is likewise flowing of the cause of the Horary Over-flowing of the Gigles the Spring at Gigles wick in Yorkshires for this Spring being the feeder of a Line Stone Rock near Thirty Yards Perpe digular in Height, which breaks out at the Foot of it; fo often as the Circulation of the Air in the Rock is dame, the Spring runs very flowly, and when the weight of the Water has broken the Damp, it Over-flows, and the Flux and Reflux is once in every Hour-

I observed my self, that before the Waters began to Flow there was knocking in the Rock, and this was caused by the pressing of the Water upon the Damp before it broke.

ming Well

The same is the capte of that Drum-The drum ming in the Well at Bastry, which the at Bautry. Inhabitants of the Town, told me no ver happen'd but against the change of Government: This Well is observe to be for the most part Dry, which is occalion d by the feeders franding back; the drumming noise is occasion d by the Waters prelling upon the Damp, and the Hollows of the Well; for as form as the Damp is broken, the Well fills with Water and the Drumming is over 2101

This occasions the Report of Underground Spirits, which Minerscall Mineral Spirits; and they observe that these Mineral Spirits give notice by Knocking or Spirits. Groaning before the Mineral Vein be discover'd : I have observed my self that in a new Collerie, when the Workmen were near the Coal (and only the Kell which kept the feeder of it unbroken] there would have been a fort of Knocking, Sighing of Groaning heard in the Vein, which was only occasion of by the weight of the Water lying in the Coal, and prelling forward for more room and liberty; for as foon as the Coal was prick d, the Water role in the Pit, the Knocking was over and the Mineral Spirit Conjur'd.

Of this kind also is that Damp which the Miners sometimes meet with in their sinking of deep Pits and new Works; where a Cloud of Breath or Sweat perspiring from the Bodies of the Workmen, will stifle the Circulation of the Air, and not suffer the Candles to Burn. This Damp will steal the Breath insensibly from the Workmen and stifle 'em.

出の一名は、中山とののののでは日中山に

There is yet another kind of Damp the Miners complain of, which they call the foul

foul or Rinking Damp; and this is caufed by the breaking out of corrupted Air from old crulted Works. This, if not prevented, will Kill and Stifle the Workmen.

The Aerial Damps will be treated

upon in Meteorologie.

dalla omi

Having given an Account of the Caules, Natures and Effects of Damps, and such Preter-natural Accidents as have and may disturb and interrupt the regular Course of Nature; we cannot but make an Enquiry into the Caules of Noab's Flood, the Season of the Year when it happen'd, and the Alterations and Devastations it made upon the Earth,

Of the Mines (and also is that

Inches Court of breeze a veet perthere a Court of breeze a veet perthe account the following Candles to
Barn. The Damp will be a be are the finished.

Maris control which they call the foul

Dr. Woods at XX . T A H D

Of Noah's Flood, its Causes, the Seeson of the Tear when it happend, the Effects and Alterations it made upon the Barth.

Frites two Learn'd Men (win.)
Dr. Burnet and Dr. Woodward had understood better the Structure of the Terraqueous Globe, the Natural Consistences of it, the Causes, Natures and affects of Damps, and that those Subterranean Wavers which Girculate through the Veins of the Earth bears proportion to Seventy two Octions they won'd have discover'd such a quantity of Water as wou'd have esus dan Universal Delugo without the Concest of a Central or Subterranean Abyls.

Which Hyporhelis [tho' managed with the greatest Artifice of Invention and Oratory] when feriously enquired into, will be found to have very little of Trush in the bottom of its for it feems not only inconsistent with the Original Settlement of Marter, as we have

have observ'd already; but also with Dr. Woodward's Hypothesis concerning the re-settling of the fluid Matter dissolv'd by the Deluge which he positive ly affects to have been according to the Rules of Specifick Gravity; the beariest subsiding the lowest.

This Hypothesis if taken for granted, we must necessarily conclude from it, that all those kinds of ponderous Or, and heaviest Rocks of Iron, Store Marble, &c. would have sunk down into the Central Vanit and fill'd it up in That the rest of the Fixed Matter he

ing by some degree lighter would have spread their Solid Strata uppermits. And that the Fluid Wavers being by several degrees lighter than the Fuld Matter, would have cover'd the whole Terrone. Globe, and consequently would have caus'd an Universal and perpetual Deluge upon the Earth.

But suppose it possible to improve the Arength of Imagination to such a height, as to fancy that there was Originally, and is still, a vast Abys of Hot. Water contain d in the Center of the Earth; it cannot be so easily approhended by what Rower or Mossi this vast substance of Water should be

Oth

U

b

0

B

3.

1、下の一下記

4,11,

のまり、自然のないないないないないないないのできる

put atto fo high a degree of Fermensain on and Commercial, is to catife at Universal Disrupcion and Dissolution of the Earth, as Dr. Woodward conceits for although that Fire placed undered Pot fill'd with Water, will by emitting of its fiery Globali, and mingling them with the Water, cause so violent as Eballition and Commotion in its sit to nifethe Gover and overturn its lystill annot be supposed that either that amis form and constant Fire or Heat, diffeminated through the Body of the Danits of the external Heat of the Son's warm Influence can produce any fuch Effects; because Fire and Nitte do Naturally com their power upwards and fides may, but never downward, but when is fo pent up that it can get no other Vent : And when even Gun powder is force to make its Effore upon the Waters, the fixength of its Flatin floes little Execution, being prefently fill'd. We shall therefore supend further Enquiry about this matter, until Dr. Woodpard's larger Volume be made publick, and endeayour to find our forme other Canles by Johich that Historial Deluge which happen't in Noah's time might be affected in an other way mand groundenus

grounded upon fair probabilities Acafon and Cerminay

First then, no doubt but God Alchil sy was the Principal Goufe, the Sine Minkind the provoking Caule, and the Soboerranean Superterranean and No. bisences Wasers were the immediate informents of its or , and it is the wind

But how sit thefe divided Witten should be re-united and gather'd his finth a Body as was follicient to com all the Tops of the Mountains Fiftee Cubin high, as Make given Account is the only matter of difficulty to be influence can produce any britished In Order to which, it halt not Deep ealing you wints a long Scory of the Off nions of Learn'd terr about to, uniderarke so their you apon which pubbble Grounds and inconfiftence she Theorist and Dr. Woodpiret thin established their Hyportesis of by the Miring discover de Valt and Porter sails Body of Wines Chemisting in the Veirs of the Earth, bearing Proport an fas bhave obfar di to Sevensy en

Oceans, and feveral Oceans of Wall more that ring in the Clouds and rathed into this Au [the trangle be a fe the

diam for Respiration, 603 by Ades buuore

ture

mrs shall be first to shew how, and by what Caule, the Subterranean VVater was raised above Ground, and the thin Air was condens'd into VVaters how both join'd with the Ses, and can'd the Delage.

And then Secondly, I shall give Account how the Waters again divided; how all things seturn d to their Na meal Courfe; and by what Gradation the dry Land appear'd: And more than this is not necessary to make and elablish a clear Hypothesis of the Unirecal Deluge

京都の野の中の

First then, we may conclude, from Arguments of the greatest probability imaginable, that the collection and reuniting of fuch a quantity of Water as was fufficient to Drown the World was caus'd by an Universal Damp that happen'd at that time in the whol Courle of Nature.

For, First, all the Central Fire by Presentatural Fermentation and Bilation of those angry Volatiles on which it confifts, gain'd ground upon its Fluid Neighbours thole Sabterranean Waters Which circulate in the Body of the Earth, and forcing them into a most rap ibulition and Commotion, cause mo

riolent

SMI

· 1063 trow

WUNTY.

110

violent Eruptions if all the Type Joints, Fiffures and Hyan as w under the Channel of the Sea the parts of the Earth's Surface. "A

The meaning of thefe Fountains. of the were broken up.

Thefe violent Eruptions of the sin marine and Subterranean Water words, the Which Mofes calls the breaking up of Formulated of the great Deep, Twell'd' great Deep the Sell into fach a height of Gibboli that if fort'd the Rivers to frand bad and file ashigh as their Pouncain Head which bovering all the dry Land, cepting the Tops of the highest Mo tains; the Aerial Damp cause by The Cause Mooh's waterish Versex pressing down the Portex of Atmosphere of this Te of the Acrial Damp and its Ef- raqueous Globe, did not only the rupt the Communication of the Subtil rancal and Acrial Waters by cauli the railing and circulation of Vapour to thatey but allo by condening in moist Air into waterist Clouds, Which falling down in continual Spouts for Forty Days and Nights together Ide

What Is means by the openng of the Windows of Heaven.

fects.

ly neither able to break nor suppor them I the Tops of the highest Moun tains were cover a Fineen Cabin, Mofes gives Account, Que. 7. 15, and there portentous Rains which fell in

air being without Motion, confequen

Spouts

Sports, March experient by the spanish of the Windows of Headen, Olds. 1974.

Thus the divided Waters being he unica as they were in the Charlon, and the circulation of vapours thousen by the magnation and damping of the April Regions, the whole softeeth the Earth Was nebound, and in 1908 The mean-chart a whild to pair over the Earth, ing of the which breaking the Aerial Danie, the Wind which God thin ceased in Subternations Waters caused to fink down into their velocity the Hall which God caused to he Ground which the Central Five Hall and its effects to he own the Earth, and its effects to he own the Earth, and its effects to he own the Sea to he will be own the Sea to he will be sea to he w and repure a the Air again than though and Moisture, and all things returned to their Natural Course. It cannot be imagin'd how the Heart of Noah and his Family was reviv'd when the Sun began to thew its Face again, and the Rain-Bow appear'd in a broken Cloud. · ()

For Neeb being undoubtedly as well What the Abstract Philosopher as a Priest in his Rain-bows family, the appearance of a Rain-Bow in the which after a long Storm is an infalli- Clouds did ble fign of Fair-weather] cou'd not fignifie.

but encourage him with hopes that t Damp was broken and the Storm

God sherefore made a Cover on'd never be an Universa De upon the Earth, Gep. 9. 23. and establish this Covenant with him. made the Rain-Bow Deings Water Meteor, and after a Storm a figr Fair-weather] a molk proper Tavo the figure ant Sign and Seal of that C tive that there lhou'd never be any me Flood to deliroy the Fauth more than this feems to be meant the appearance of the Kain-Bow in Clouder egnid: Il bings rebuolo

in their Watural Course. It cambe bunging how the Heart of Noah al al is Family was revive when the Sun the nime and see worth in news of Suc Bow appeared in a broken

For Noch being undoubtedly as all whene TAKED A Philosopher as a Price in the Unit of amily, the appearance of a Rain-18 to which after a long Storm is an intallit Constelle the figgrofe Fair we errer] cou'd had bente

-memon'I Sets do no which God or believe

17 14 de

I feems then most probable that the University of a character in that Moma we call August, when the Seeds Of the Stafon of the Tene when the reade to sow the street shelled the Soil, that when the Denige was over, and the dry land had for fothe time

R. Matchard declares his Opinion; A Refutation of Declares the Spring Staffin in the Months we call Hypothe-Messbur open what Reafon his rounds its, O's. the Concein North control calling appreciate Concein North Concein Concein Control calling apprecia bestdeld the Anmals with

For the Fruits of the Earth being then but Growing; and the former Xuwas facilibring delicated by the by pol Winter, Name wouth webeen lossed to a Spontaneous Boudantion of the several kinds of Vogensbleshe hid blitheig Seeds, or And owner the seed nd Speciestof Aniands which weretprod lesy defeatment lood, had diberty to go abroad and fall Food Sthey woo'd not cally have found it M. Abuenber and Dedouber, which Markhala according to hielly posters were the Beston when the Wireson band on one Butte oderid postster phistographic Shoolyshouldwhood decariods the the

Thetime when the Defuge eemmen-.beo

The time when the Deluge commenced.

It feems then most probable that the Universal Daluge commenc'd in that Month we call August, when the Seeds of all Wegatables were salk Ripeliald ready to Sow themselves is the Vertile Soil, that when the Denige was over, and the dry Land had for fome time Al Me Hold brieber had bis O'resign A Rollies South library both mondimental the World of Dr. eding Haft approbehing Sumi fales goich we bearingles & dalum bilgrim ghi 15, 614. Soil might be ready to Spring ap supply the Animals with plot For the Fruits of the Earth theo? - Westite with observe what dylen th

Dove was febt forth by northies it to Second simplified brought with lief Leaf Sville and a more British Tree When the the sect forther Third what the seminishmo lambre, sharing state Food-uponchievEntehinskRicharon & M no other than Coro fibring upob the Strings of the wattrill Darobsords of "Agaits. Mofir igivet mived videouns that in the first history, which proba-bly answers are Jackery illustive to were day disaptirom the Fact of Harth, and diponeticos 7 th Day of the Secondy Month, whitel dicements to our February or March, God orderth 31 the . 0

the Beasts in the Ark, to be turn'd out to Grass, and shift for themselves.

hat

一年 は い い 日 の

-1711

Again, we find daily not only great Trees of Afeveral Kinds I as Oak Birch, &c. I rooted up by the Roots, and lying upon Heaps Bury d and Entomb'd in great Mosses where they never had grown; but had been brought disheroully . that general Devastation mide by the Delage or But Head, Nue. Whole Keputelilare as frein as if they had how obchas grawing upon the Treas Thefe Nats having been leatten dithere hy the Dhings, and having lays /there they'd and lembelm'doin shoc Bissla qui bris a type did cores Molle succession all probability of light have been equipu'd william as the Earth. Been their Obfervations, we may realonably infer, thir the flood commence when the Setds of all strengerables were Ripe for beledfor the propagation of their dinds les on Mi and the of The sends should be sent your vehicles will be Damps as well Subterration as Aerial spel-G most frequently happen in the Autumn bondad. Experience tells us, that thanolast fich Diffeling power or quality de ther in the Subterenean or Acrid A H & to effe Dinch a Deffolution as he describes, and these were the

de Beafain the All, to be un I'd but to Cotte.

Of the Alterations which Noah
Flood made 12, and upon the
Baith redw 2010 A 1691g at bomb

I cannot agree with Dr. Woodwards Hypothesis, wherein hedasser was during the time of the Boluge, while the Water was out upong and covered the Terrestrial Globey all the Stolle and Mayble with the Metalicand Mineral Conductions, Grand the Antaliand Conductions, Grand the Antaliand their constituents Corpustica all disjoined their constituents Corpustical and Constituents Constituents Corpustical and Constituents Constituents Corpustical and Constituents Consti

Dr. 19 od This Hypothelis feemol inconfiftent words Hy with Senfe and Experience last well in pothelis concerning the effects of the Delage lage.] For Harft, ideal law as for all Returns.

Experience tells us, that there is no fuch Diffolving power or quality cither in the Subterranean or Aeria Waters as to effect fuch a Diffolution as he describes, and these were the

of

イムのないなるというが

D

innediate Justiuments of the Des diffoly'd into a Fluid fishfrance: Theal the whole Species of Vegerable. Root his cannot reasonably be supposed forthout a Mirsole Jothat all the Solid confidences of the Barth thould be diffolv'd into a Fluid fubstance snaud a gain refettle and receive their feveat degrees of modelidation in to fliore atime as the Flood continued upon the fick Gravity , the Leavieth inbaries loweff, is a grand miffaice in O lervariwif the Earth fuffer'd by the Delugo Total and Universal Diffelution b then all thole formid Stones and Shells which the Del condeives to be Marine Bodies born forth of the Sea, by the Universal Deluge, and left behind at bind when the Waters return do mout have loft their Form and Shapes, the being not only found upon thein of the Earthry bot in the locared of it, incorporated with to Strite of Stone, land well upon she
Mountains as Plant I benishmon that the first and that appeared, of Animals, Boines and Totaling Shalls, Vegetables and pairs of Wegetables, made 200

made whe dommonand hobbed Make diffolv'd into a Fluid fubftance: Then the whole Species of Vegetables, Root atridodirenchi Sciolala and Seedu ward Haterberh Milt; and Manit done dies a) Reodthings of Problection 2 as Mills folyd into a Fluid substance sneither? min referrle and receive their feve-The Poi Sculibil of the boules delle Missaguchding mothed teles of Spain fick Gravity, the heaviest suballi lowest, is a grand mistake in Observati on lackdow the Green Bule the Date wait denive birel iconce at with indire stantal der well an Uniterfal Deluge, is which the Dublemado when the state of bodies been forth of the Ser, by the as Anichis allyphothefiguite incomfillat with Benfen Resignand Exposience is is the price of the Brown of the piece of the si their Brist fal Deluges furthe relaise that the mere Mountains during the printalement of the bWaters and, the she digadicovered the Tops of sthet Fifteen Cubits. Heiselfe ne likewift that the first dry Land that appear'd was the l'opinion the Monntains, and that the Ark selled Aurion the delicate Andreas Sentande in Angelia trac, as undoubtedly it is the the made

ons which the Deluge made were only indicoburface not Exterior paid diffie Buniton And witt Of planes of Stripential which footh of whether young is the Enrich semb be understand, only thecourse ward Coat or Superficies and torrelie. Miseral paste roteit band noobrettiras the d'Suit facts et le chief le relit gallingesher delitorial, missappears by the Davely bilinging of agolists beit in her kildowh pluck'd off; and by all Living Oleso tures in the Ark, being turn'd to Grass and to bile for thethelves in the Bevendi Michelmafieti the Deluge bomo unimedy in which so in the begins Gravel, or brokendsullarud longin

ters

The Alterations, which the Deluge made upon the Earth, being only in thes Experior past bisity I shall the notice of friches archieft Remarks ble and and embalaid in gradification, subjuded

upon the Mountains as in the Valleys. The uppermost Strata upon the Tops of Monntaine Plaint and Male Lunder destrible and the destribed before and abele was badidying topons heir and The Alland fides in great confusion; with falle which the and counter Dibs and Rifes, like those Deluge Degrand Boards office, thraws out of made upon the Birth thit Waterspen the breach of a Stohmy

The

5.

6.

n

on which the Deluge made were only The joint of the Mountains coulse fling of Rag Raff and Chiver, and not being bound rogether with strong Gills of Stone, were broken us we have ward Coat or Superfici, ybardh bivroldo The Courses and Channels of River were anhing'd, which caus'd all their pleafath Gills and Dales with their Rai pld Biverdraining through the midle of them nivi I lie yd bna all t ivingment fo nites in the Ark, being turn'd to Grais The whirling about of the Water, caustd all those Hills or belier Mount tains, debote confiltences are only San Gravel, or broken Surstanof Scott The Alterations, which the Delas mede upon the Earth, heing only in The Deluge rooted up all the greater 5. Trees, fome of which we find bury and embalm'd in great Moffes, see well upon the Mountains as in the Valleys. WThe upperments upon the Tope . 1 6. The Surface of the Plains and Wale leys was fertiliz'd by the Deluge, byth leaving a prolifick Slime and tecalent lind fides in great confusious north ball and courier Dibs and Rifes, like those 6004 Thefe Alterations were not cand die o by the rifing, but the decreating Wa

ters; for whilft the Waters were a- The the rifing, the Aerial as well as the Subter-alter nnean Damp continu'd, and the Sub-were luniary Course of Nature was Stagna- made. ted; but as foon as God caus'd a Wind to pass over the Earth, the Damp broke, and the Waters were put into Most violent Perturbation and Commotion; which was the only cause of all those Alterations and Devastati-

自由不此

The End of the First part.

A Scheme wherein the several degrees & C Animalia = Intermedia. Zoo The Infects Idiots 3.0485 stil to boni Angels God

& Concatenations of Life are explained

The Divine Elsence or The Intellegual Sphere The Inter Ranging Sphere of Senting Sphere of The Sentitore Sphere of Mineral Sphere T 19

As the highest degree of Vegetation in the Zoo: phita makes a near Ap: proach to the lowest degree of Sensation in the Insects. So The highest degree of Sensation in Apes &c. makes a near Approach to the lowest degree of Ra: tionality in Idiots &c. As the Highest degree of Rationality in the Hero! and Speritualized Rational makes a near Approach to the Boni Genii or low. est order of Angels: So the highest degree of In tellectuallity in the Ange lick Nature, makes a near Approach to the Divine Essence.

A Scheme wherein the several degrees & C Animalia = Intermedia. Zoo-phita The The Infects The . Idiots 3.royds stil to boni Ingels God

& Concatenations of Life are explained

The Disine Elsence or The Dirus Sphere of Ranging Sphere of The Inv Rangual Sphere of Sensing Sphere of The Sultane Sphere of Mineral Spiker, T

As the highest degree of Vegetation in the Zoo: phita makes a near Ap: proach to the lowest degree of Sensation in the Insects. So The highest degree of Sensation in Apes &c. makes a near Approach to the lowest degree of Ra: tionality in Idiots &c. As the Highest degree of Rationality in the Hero! and Speritualized Rationals makes a near Approach to the Boni Genii or low eft order of Angels: So. the highest degree of In tellectually in the Ange lick Nature, makes a near Approach to the Divine Essence.

A Scheme wherein the ser Animalia = Intermedia. Zoo-phita Infects Idiots

The Plastick Spirit in this World Matter is a Subtle Saline Vole Substance] dirtus'd it felf through the Law Strata and confiltencesco grees of Concoction and Depuration leparates the mole total 2d Spirituon parts of the Nourithment from he feparates and coagulates the more Pure

thole thought none were concreted in

(38)

The Plastick Spirit in this World Matter, is a Subtle Saline Volati which [whilst Matter was in a Flasubstance] diffus'd it self through the Lax Strata and consistences of it.

And schat Acid and Sanne Sumo in the Stomachs of Animals, togethe with the Vital Flame, by feveralgrees of Concoction and Depuration separates the more Pule and Spirituo parts of the Nourishment from the Cr Me and lader Exception title parts it, or as that Adichard Salina Blan separates and coagulates the more Pure Spiritnous and Oyly parts of the Mi the wherithand more Force को उपरान कार्य असे के अपने किया है। MH & Sh Blettenen Thine delicamentes desdwarm and enliven Handbeiner englichen Branch er Veins Branches and Thampation Bones of the Deiner Manner of the the see state and consultate the in Maple, Ture and Plotable heone Marker Formathe Charles parks Proping to ask well the dampele Modernet, received and degrees de Con Salation, thefe purer and Pretunat cal Coagulations were concreted those

thole Solid as well as Caner Street and house

dd

h

nog

tion

DOU

And the Magnitude and Figure of their concretel Congulations, with refronds with their Moulds as Craffer Manustron where they were Bestded, and wherein they unsuscitated and compressed to Table we find in go cipher in the host to authorize this is a supplication.

Exterior in to serie M. to shrink
of the Parts of the Earth, M.
Laterior D. separation of the Series

The Copyright Co

And the Baye either the common Rebles, which are of a serial tree camp

Terror Principles
Salar
Or
Pinguid

Those that the port of a laquifical statement are there where the Miner call that the Miner call the Miner call the Miner call that the Miner call the Miner

They are common Plints, Pytts and H Marcha-

Merchafines of a Phermatical and ry Quality: All the state of the state of

lo bright has Or arous

They are Agates, Daynes Conclians, de. Of a Mercu Waterish Quality, which are m les Temperent.

This Cuter Cost or Surface Earth confifting of Sand, Gravel, C Bituminous Pest-Earth, and o kinds of Matter of an Heterogen Nature, affords the greatest v thefe Homogeneous Concret

And these are all of the same mis and Quality with that Co.

Graffer Masser from which they re
Extracted and Cregalized.

This firmere Sample and Homograetts Contractions which we meet to
lodged in the Interior Strata of So
Master, which are of as language
gure, are Either of a

Liquifichte? Country.

Charge I Those that are not of a Liquid Nature, are those which the Minere the Source of Chance

Marcha

For as the Spirit of Nation [as the first feeling of Matter] reduced all the Constituent parts of the Earth to Several Classon; and every Classon Matter leading to foute Mine or Nineral a foregry Bed or Layer of Stone or Metal has its proper Leaners, by which the ingenious Miner may be directed what Mine or Mineral they lead to a whother to Coal, Rudle, Iron, Stone, Lead or other Manufick Ores; and these coagulated Concretions, are commonly lodged in the midde of such blid Strate.

Those Homogeneous and more? new matical Congressions of an irregular figure, which are of a Liquidiable Quality; and the several kinds of Metallich Ores, and clicks are lodged in those lakes, Veint, Rislan, and Schogewhich confecut and divide those Solid Strate of a Hot Quality, and the lights despect of Congression.

pred of Controction.

The Make Patent of all these is Sulphur, which being cicker White of Italian Colour, to all Metals.

The Found: Parent is Quick-filver, which is the enalls of their Elegalisation, Benthilltry and Dutilley

H 2 SUNITO All

All Solid Badies confife of two ferral Natures. Tangible and Priemme cal 3, the Pneumatical Substance, in the Native Spirit of the Body. which a fringuished the several Kande of the I define therefore all Metallick Ores be the more Sample Homogeneous Capuscles of such Stones and Cills as are a Hot Quality, and the highest degree Concoction, congulated and concrete in those Rakes, Veins, & which cred cut and divide those Cills.

The mare Homogeneous that Martals are, the lefs of Droft they have them: The more of this Plative Southey have in the Tangible parts, the are the more Liquinable. Flexible and Duftile; for the cause of Liquination is the Detention of the Spirits which play within the Body and open its that the greater plenty of Spirits and Tangible Matter has in it, it is the more Flexible, and therefore when the Tangible parts are Jejune of Spirits; or easily Emit them, they are Fragile, and will not easily Liquine.

When the Tangible parts of Matter are Duftile or Tenfile.

When the Tangible parts of Matter are Ducile or Tenfile, it's accasion'd by the Appetite which the Native Resists have to Union, and Averines to Discontinue.

Seconds.

Secondly, That the Metallick Ores Sorpufeles of Stones and Cills of a Hot Quality, and the like, coagulited and concreted by the Plattick Spirit of Macter, is evident from the Experience of Mineralities who find the greatest plenty of Ore, in the Veins of fach Cills as are of the highest degree of in-duration and Concoctions for where the Cills are weak and fort; and have not received a right degree of Heat and Temper, their Veim are only fill'd with Spart Soyl, Clay of Vein-Stone, like unripe Null whole fold and weak Shells are only filled with a Milky Pa-bulum, his vine fittle of Kernel in them. Again, in the Third place, that Ores are the Pocumatical Corputation of Sulphur and Quick-filver coeghiated and concreted into Clods and Nodes, and lodg d in the Vens, will be apparent to thole who will take the pains to obferve, that the more Rich any Vein is of Ore; the les Spangled with Sulphur, and Quick-filver are thole Cills and Metals they cross can and divide a and fo on the contrary, the more spangl'd the Stones are, the less Ore in the Vein. H 3

Gen. 4. Verfe a:

Part the arb. Page Sas.

And

And the Resion why those Metall Spangles are collected, conquisted concreted in those Rakes and Venture because them; and this is the metal on the contract of the contract of

Their being Ebullitions of Overflo

ings of Vein Ore

As that Hypothetin of the Theo wherein he conceite, that there no Motallick Ores or Minerala Antedilpian Earth, contradict Antendings Earth, contract to the Cartes which Mofes gives of Tabel-Cartes who was as he tells in hear and learned every Actificer in Brais and lear This Tabel-Gen living before the Dings. So Dr. Wassipperd's Hypothe that the Metallick and Mineral Matawhich is now found in the Perpend lar Intervals of the Serma, was all of Originally, and at the time of the Dings lodg d in the Bodies of the Size being interfers d or featured in in Corpucies in the Sand or other Man whereof the Street mainly confifte feems inconfiftent with Reason and own Nations of Specifick Oravity. For

Gen. 4. Verfe 12.

Part the 4th. Page 188.

First, It cannot be easily imaginally what Art or Caymithry the Metallist or Marena Matter, which interpret and Scatter d in single-Corpoleles whe Streets of Solid Scone, [especially the Corpoleles being Smaller shout those of the Smallest Street, Court its square of and made in for the

Again, if the Man OL Pink, where she the Deluge was over, did neterthe secording to the Rules of Specific Grevity; the beariest finding, the lowest jac the Dr. allered on the Dr. allered or presented to the Specific transfer of presented or finding the Core fitting the bounds; bearing to the creating the Corporate of the Corpor

And to affect that they were born
up by the Watersof the Abyle rising
up towards the Stringer [so the Dr. (uppotent) is as incondition with Gravitation and Levity, major Feathers to
link and Levity with

These Hypotheses being inconsistent both with Scripture, and Reasons two shall take it for granted, that all chefe congulated Concretions of Metallick Ores, were by the Plattick Spirit, in Matter lodged in the Veins of the Several Strata, lying most open, and being most

(1641)

molt ready to receive them . And the State of the Amedian van Bart the Seale of the Amedika Wan Part nov Alffer of to its Confirment from the Portaile via 127th

Planetop given in Account of the Algerials Matures, and Causes of the Company of

And there are the feather to be decreased to the second of TO BE JUNE STATE them into mote Regular clares and gares I and their the cities (Slow Ovil Tringel r. Code and it. Percency to men a Form or En and they lie in steels Beds of Me cither in Layers, or in different and o fofon wook is

Belider thele Bregillar and Regul Concretions, date are others! more Uniform Shape and Figure 1 and thele may most properly Bear the man of Form d Stones Morata, lying anoth ispec, and being

flom.

They

They are found lodg deither in Beds of Pinguid and Luxuriant Soil, or in fuch s of Stone, Chalk, Sanda Gravel and Earths as are of a Saline Onaliwhich they were round, and mereas h

Those we meet with lodged in Beds of Pinguid and Luxuriant Soil, have the forms and shapes of Worms; Serbents. Smile and other Perrene infects, which perhaps could never come within the

compass of our Observation.

Those we meet with in the Solid Street of Stones, Chalk, Sand, Gravel and Earth of a Saline Quality, have the Form of Gockell Mollels Oviters, and other Marine Infects, which probably Mankind has dever yet been acquainted with and not withflanding that thefe Shells have the Forms of those Marine Infects they reprefent, yet they never were the fooils of Marine Bodies; But form'd in those Stones and Earths, Fabin Cowhere we find them lodgd! And it Hook, Seefeems most probable that they receiv'd m. Scylla, thefe Forms and Shapes at the Creation of this Material Globe, when Mat- many oter was in a Fluid and Waterish Mass; there. and when there was a commixture of Light and Darkness, of the Plattick and Vivifick Powers; for then the Vivifick

lumna, Dr. Boccone , Rey, and

fick Spirit of Nature differentiated Specifick Forms of those Animals of lowest degree of Life in those was Funds and Promptuaries of Maria which they were Form'd, and increinto that Shape and Figure we a find them in.

And if God Almighty had not dividing the Light from Darkness. Vivilick from the Plattick Power, as by Consolidating the Exterior Strate Matter. Confed the Host, these Towers and Marine Insects which we petrest'd and entombed in Marine Limestone and Chalk, or bury'd in he of Sand, Gravel or Earth might have increased to higher degrees of Persections, as well as those Subterrance Toads, Frogs, Asks and Clocks, which we meet with in the Cavities and joint of such Stones as have lost their Natural Feeders.

But of these the following Chapters will give a more full Account.

CHAP.

Chaquiel, they left behind the a the colour Mark H. J. Ark H. J. Start be-

Of the Grand Cover of the Barth; the Sympathetical Union of the Plastick and Ventick Spirit; and the Production of Vegetables, the first and lowest Degree of Life.

THE Outer Gover of the more solid parts of the Earth, which we call the Surface and Fertile Soil, being [as we have observed] the Universal sund or Promptuary, or the Common Matrix, wherein was desseminated she Specifick Forms of the lowest Degree of Life and Vegetation, whilst others of a higher Degree Dane'd abour it, like Atoms in a Morning Sun's Beam.

It will be neonlary in the first place to give a fuller Description of the Natures and Qualities of it, and to shew by what Degrees of Heat and Vital Incubations it was Modified and prepard to answer that imperious Word. Let the Earth bring forth.

When the Waters were divided and the Sea drawn down to its proper



Channel, they left behind them culent Mud and Sedement, wh ing like to a universal Quag, of and Waterill Sublante confi the leveral Kinds of Matter of terogeneous Nature, and fa with great plenty of Mineral S all Qualities to V powers

Thefe Mineral Spirite, by a f Motion and Tendency rifing up Surface, as we observe Cream up to the top of walk, or to O eth shove Waters the warm on wy Thickned their Mineral into a Liquid Gelly, or a Pingu Unclient Slinica and many

And this we call the naked 51

the Earth or Fertile Soil.

if This Skin or Fertile Soil Bell
got any Cost or Cover upon to
not only Tinetur d and Colour's all those waterills Colours of G Red Yellow, over But also will seed Varied speek! d wiell great valid other Colours decision'd by mixture of these Mineral Spirits

And these gave not only the waterish Herbs, is Gras, Plante Chan-

Flowers

lowers, but gave allo the different complexions to Birds, Bealts and Men.

And as the feveral Colours and Complexions were occasion d by the mixuse and temperament of the Mineral Spirits, so were their different Natures and qualities; for a conning Chymist will Extract out of Herbs and Plants the several Kinds of Mineral Spirits, as well as out of the Mineral it felf.

The Virgin Matter being thus Modified and prepared by the warm Influence and Enlivening Vegetations of the Exherial Flame, and in taked Skin Adorn'd and Beautified with her great variety of Natural Paints Thole Seminal Forms or Plattick Sonle which were differnitured in her wern and most womb, and sympa thereasly united to their belove white ter, began to meet their Parties Poli en, and put forth (purgy Strings and Roots; not only to falten them to the Earth, but to fack in facts Juices as were most proper for their Pood and Non-rishment, which by their Seminal Ver-mes being digested into the Substance of a Plant, Herb or Tree, of such an Order, Figure and Pemperament, it be-Montos

came an Individual of that numer Species of Vegetables; which her first to peep out of the Earth, as On out of the Furtows; and afterween gradually increased to the highest D gree of Perfection and Maturity in N

sure was capable of

Thus the neked Skin of the La was cover'd with a Cons or Go very , Besutifid and Adorn'd w Flowers of feveral kindrof Colours at the Passive Matter increased in D gree of Hear and Modification, it due'd Vegetables of higher Deges ic and Doractionaral Endrers from the lowest Should to the th Coder or most robust Oak

The thefe Preduction were brought forth all at once; but gra ally as the Paffive Mutter received in gen of Hon and Modification Appual Fredbillioth white every Sent oringeth forth

For there are form Vegetabler of a Coldand Waterills Quality, whose his must spirite are more Pine. Light with Active, which require only a familier Degree of Ficas to raise them, and their are the Productions of these Early Months Months, James, February and March: And these come to their Persection and Maturity before April and May, which present in with an other Crop and order of Vegetables; and for this same reason, june, july and Angest go further, and presents in fill with different shows of Plants, Herbs and Flowers: And this is the San increasesh in Heat, and the passive Mature in degrees of Modification, we are presented with higher and more noble Productions.

The Seminal Forms of Vagetables, being now united to their material Vehicles, and being grown up to their feveral Degrees of Perfection and Materix, they retained Seed in themselves, and did Propagate their feveral Kinds by forturing of their ripe Seed upon the Bertile Soil, which like the warm and most Womb of a frustal Mother, dislibles them first into a liquid Jelly, and their divides them parts into their ferendules.

That the Seminal Forms of Vegetables were Originally, differented in

That the feminal Forms of Vegetsbles were Originally diffeminated in the Earth as in as Universal Fund or Promptuary, will be yet further evident by those Ocular Observations which has



has been frequently made of Productions without feed a for take fome quality of Barth diggid/feveral Patronder Ground, and expose it to Sun and Rain, and it will Sponsoully without any Seed bring for common Grass and several Herts at Plants.

Again, we observe that particular Soils will produce, without Propution by Seed, Herbs and Plants publish to that kind of Soil and Barth, Pavements do Naturally produce Knot-Graft, &c.

Know Graff, &c.

If it he object'd, that the findle Seeds are differinated over all by the Winds, and the greater Seeds feature by Birds that feed upon them.

I answer that its commonly observed, when Earth is brought our of the ladies or other Remote Countries for Ballast to Ships, and reast forth upon some Ground in Italians other Countries at a great distance, is will put forth Foreign Herbertous unknown. And it cannot be imagin'd that the Winds should blow the Seeds of these Plants from the Indies, or that the Birds should cross the Sees and senter them at so great a distance.

(III)

To these I might further add those try'd Experiments of I ransimitation. Transmigration, and Degeneration of Herbs and Plants.

Having described the Original of Vegetables the little and sowert Degree of Last and shown shart the their manager of their Propagation the down by Bead. Yet when Seed a wanting, the Percile Soil will bring forth common ones and other Plants in the Mitural ways by a Spontaneous Generation: Thus the Evening and the Montaneous of the Sympathetical union of the Active Form and Passee Matter product a the Water product

constructed observibites or all constructions of the Cauler Creation of the second Cauler made the Pourth Production.

Ho the Earth was now Gay and:

Trim with a new Green Live.

Ty of Grafs, Adord d with Painted.

How is, and pletfant Copices of Thirtees of Young Trees; the Patricker of Young Trees; the Patricker was yet Loo Gold and Wasterills, it was yet loo Gold and the Standard Lieutee of Life any of Life any of the Standard Lieutee of Life any of the Standard Lieutee of Life any of the Standard Lieutee of Life any of the Standard Life and Life any of Life any of the Standard Life and Life

nothing of HAP. In the control of th

Of seducing the Confused Malacian Light or the Etherial Plane in a Body, which made the San a serift Missis ento a Body, which made the Monst how by clean of the Superlanang Francisco of the Production of Sensitive or Leconotroe Animals, and why he Creation of these Second Causa made the Pourth Production.

Tho the Earth was now Gay and Trim with a new Green Livery of Grass, Adorn'd with Painted Flowers, and pleasant Copies or Thickets of Young Trees; the Pastive Matter was yet too Gold and Waterish to draw down out of the Second Degree of Life any of the Sensitive

eire Pomme teluadunte and disform he The Almighty Power did therefor contact this dilated Asherial Plane of Light into a Budy which Meles calls the Sun; that thole Enlivering Heats and Vival Incolutions which for framity within be more Strong ind Vigorous, and Penetrate sheeper God gave a frontal ship and sol shad God pastd this Colellat We ablich a convenient different from the Earth, that tip might udalies be too such founded by heing too ment be; soof over bybeing at cod great wellfince from any but therein and he isstive fich a metherane place them it, man attribe fate Sominal Metitres) and draw up virsylaters into themy side thereby Bapenins Natural Educid Ism o God gave to the Earthquie To Dist. mil Mouga, theoby a just and requisituming about tipon its own Codree, it might have the binese of Bay and light every Fodr and swearly House, fo this to part of the Earth might be soo much heated by the sun's presence upon it, or soo longthenighted hydiscablence from its checable as one tide is Warpid and Cherish'd by its Rays, it wirlings in and turns to at its exhibitally and to

ed to be

ve

of the Barth, and regular strong and of the Barth, and an equal/diffrience of Day and Night, the sover-heated to cool, and the gasping Earth a cover site fainting Vertues, which continued Day would from Exhault.

Extinguish

God gave also the Sutton Augustion and has directed in into the commodiants. Course; when six has forther Enlivening Light; Heat a Influence cover all the parts of the Earth; and by turns, igives tall the tries their Yearly Scalousmo.

And this gradual increase and becrease of Heat, answere all the Ender Nature both in the Vegetive and the mal World much better that the the flast of Emperature and Equality of Heat; which the Theorift inposition have been in the Anterilluvian Earth Afati the Greation with Son, the reduc'd all shote valt Bogs, and wastern Most calle the Moon, and he delight it as a Reterent and Learn'd Drine of our own has observed to be form Vicanious Light to the Sun, to supply

(49)

heablence, and operform his Office in

He plac de the Moon in the lowest of the Goelestian Spheres, at such a convenient distance from the Earth, that the warm Instance of the Sun being redicted from it, might carry down with a some of its Coelestial Moisture. He gave also to the Moon so commodions. Motion, which it performs in every 18 or 29 Days, that when the Sun is Southward it moves Northward, and when the ? Sun moves Northward, and when the Sun is Southward by which Motion the Cold and Darknets of the long Winter Nights are moderated mand these remote Regions under the long comforted with the Sun's Instance at Second hand, when they want it at the Pust.

Thus by reducing of those waterish regainto the Body of the Moon, the upper Firmament for the Planetary Spheres were clearld, and the Planetary with the restricted Stars Created in the Morning of the World, began the pears and to send down their Esherish and Invisible Influences upon this Globe, which were obstracted and interrupted by the Interposition with the Witerish Mists.

(ma)

Moon and the Clearing of the Burkary Spheres God made are of a strumental, or necessary Second Coward the Production of the Burkary of Life, and therefore a made the Fourth Production.

The section is street

at the selection of the selection of

Of the Production of the Second gree of Life, and first of Original our Animals, as Fish and strip Installed so

verte of stationers with the covery

whillt the Earth was a Fluid and Westerills Mass, and there was a demixture of Light and Darkness, the Specifick Forms of Vegetation, at the lowest Forms of America were defendanted in the Exterior Stress of the waterich Mass, and if God had a Curv'd the Earth, by dividing his from Darkness, the Material and Stress Principles of Life, the Languery

(119)

Metter would have gen'd forth fish ambers of Animal Productions, that the Surface of the Earth and Western word has have unimated them.

This Hypothetic is grounded not one to upon the form d Stopes we meet

This Hypotheticis by upon the form'd Stones we prest with indigital in the Inverse Stress of the Earth Earth Earth having the flaper and blance injects could proceed from up other Original than a Plastick Spirit; but also upon those inheatment Animals, as Toads, Frogs, Aski and Clocks, which we summative meet, with included in the Cavities and Hollows of Stone, is well as in their dry Joints. I have bound a large I had fix Yarda under Geomet, inches in the very middle of a band stone, where the Joint that led to it was fo straight, that it would not receive the thinness Emilia for likewife great annothing the straight of the point that led to it was so straight, that it would not receive the thinness Emilia for likewife great annothing the straight of the straight what it would not receive the ly upon the form Annual Control of Marie and State of the Sta medifying Subsequences of the Vivilet Diagrams in them, which by Stories, which had not their water Peeders, were increased to their water we found them in 3 no doubt be a Stantine Vine of their Subterious mails are prefer to by continual their and the Air they breath in particular and the Air they breath in particular words, which live by the Respiration of their Mothers. And it may feel we probable that these underwounds mails have lived in these some and to white ever line the Deinge, and we have fong before; for as nothing as served the Vital Plante more than they so posting wastes and spends it may have Action.

of Befs. Worms Marine and Watersh Infects, as the Urica Marine of White State of Plant Andreas of Plant Andreas, and not Locomestae could have no other Production that white metry Equivocal of Plant Andreas Inform Matter modified and prepared for receiving of the Visal Spans.

Befides these highlight Productions
I shall add one more, visible and appropriately

Take a firong Horfe tall, and put it into the Water warm'd by the Influence of the Sun [especially an May or Jule] and within some sew Hours it will take Life, move at both Ends, and it a short time, its probable that it might become one of those several kinds of Eels we meet with in the Waters.

Notwithstanding that all these Prodoctions had their siril Original from
such Matter as was most proper and
capable to be modified by the Plattick
Spirit of Nature; yet being produced,
they sometimes propagate their several
Kinds by univocal Generation, these
Marine Infects which are not become
ive, being only excepted.

From these Preliminary Instances,

From these Preliminary Instances, and a great many more Ocular Observations which might easily be produc'd, I conclude, that as the several Formsof Vegetables; were disseninated in the upper Covers of the Earth; so were the Specifick Formsof several kinds of Fish [is well those which the Naturalists call Pelegie, as those they call Liturale;] delicumates in the Waters, or Submarine and fresh water Quicksinds; and as the Water receiv'd higher Degrees of Modifications, they produced 18th of a higher Degree of Life, in obedience to that Command laid upon them, its

The Second Canfer which con in the Production of their W Animals, were

First, the Coelectial Influence

Secondly, The Water which Modified by the Plattick Spirit Coelettial Influences, became Vehicles, or Bodies for their Porme to act in.

Thirdly, The Submarine and terish Quick-sands in which the

were Generated.

Fourthly, The Subterranean He which abounding most in these Subterrane Quick-sands or waterish Nests, Hatch these Eggs into Life.

Fifthly, An Lunate Power in the little Form, which discriminated it

Kinds.

The Original Production of all kind of Fish, being from their Invisibe was Vital Forms differentiated in Water Quick-lands, as foon as they came Perfection and Maturity, they retain Seed in themselves, by which they tr pagated their own Kinds. The of their Propagation is with the Septembers for then being grown fire and lufty with their Si and the Influence of the Moon an

rest of the Etherial Rodies, being then more strong and powerful upon the Waters. Again, about that time the Subterranean Heat rises towards the Surface of the Earth, and breaks out in Springs and Onick fands, which is the reason, why about that time the Eresturator Fills draw up to the Spring-heads, and the Sea Fish to the Submarine Quick-lands, wherein they scatter their knows.

The minner how they Propagate, is, first by Dagging up the Sand where they intend to make their Neits, and then I not by Copulation or Panetration of parts, but playing Cheek for Chole, and by Sympathetical Touches I the Female whones her Eggs, and the Male his Spawn, which mixing together alls down into these prepar a Neits which they cover up with Sand, thereby securing it from the Winter Floods.

they cover up with Sand, thereby fecuring it from the Winter Floods.

After this they return to their Winter Holds, leaving their Eggs to be
Hatch'd by the Subterranean Heat,
which continues in the Springs and
Onick-fands until the April following;
and then the Young Frie, being Hatch'd
creep out of their warm Nefts and Swim
down the Waters in numerous Swarms
or Shoals.

After



A 634)

After the Production of all the accordinate Kinds of Fills, Gold all of Created great Whales, by which was Mofer intimates to us, that all the se of the waterilk Animals were producted by the ordinary Concurrence of South Caufes; but God to thew his Great and the Deep Waters as well as upon it not be producted an Animal of fo great a Body; who in the Arisuttick Ocean, when they are pear to Mariners upon the Waters, as pear like little Islands or Mountains and these are the Leviatham that Gomade to take their Passings in the Deep He made them Lords also over all in Fish, which He gave to them for Meat.

For a every Superior Kank or Socies of Terrene Animals Feed upon their Inferior, and Man upon all to every Superior Species of Fifth live upon their Inferior, and to the Whale, being Lord over all the reft, lives up-

on its Underlings.

Onicksands natil " spel tollowing and then the Vision on being Here! I

cresp cases their wairs lied's and foils down it a Water fit and recepts Swarm.

CHAP

וגוננים

Again, fince the leveral Degrees of Modification of Argrin and the Art of the Second Genas of Obliverous Animals (VII.) the derial . 4 of file Infetter Segment of Comment Thirds, for Bin I had told Wolds makes the Writer vive, the Young Plants began-butter out of their Winter Reds, and the ten-A S it Rems prepolicrous to Cresic Meat fritable to their Windles to Live spot was provided for them & for it from most probablound agreeable with the Ends of Nature, that Grass Plants, Herbs, and destribute Set of Overes bles though by the first Spring and Som ther Products That the Residenting of the Water with all Kmei of Rith, the Production of the following Wintory and that the next Spring though diegin with the Production of Aerial appointe first Products of the Earth and Waters Was street O warne ve didney Life, and did 1'ly about in

ATT

Again,

Again, fince the leveral Degrees of Modification of Maner, and the Antonial Life increaseth, as the Entirening Influence of the Suograms Hotter and more Powerful; it necessarily follows that the leveral Kinds of Flying and the Using the lewest Degree of Manager this Genes. I should be the fact from the spots of a degree of Heat from the approaching Sun, the Earth Degree is revive, the Young Plants began to peop out of their Winter Beds, and the tender Leaves of Trees began to break their Antonia Ruda.

The East Wind blowing then Dec by it's fost and case Blaste did Condense the Morning and Evening Des into visque and chamny Strings, trus like Cobwebs hang upon every Thorn and found them bleer open the Young Greek, till the San edvaging spread the Meridian feat down a warm Refieldion upon the Earth, and could all thele line and sender Threads so draw together, and falhion themselves me little Nella, in which by a higher Dagree of Heat were forund little Enges which by another Degree of Heat took Life, and did Fly about in the open MENT Air.

(147)

Air, fome Reeding man Deve, others upon Leaves, others upon Correctior in the Air ; betters were Blood mek-

ou Diet an Plant Baibe. These contributed with the contributed with the contributed with the contributed by the contributed being the town Decree of Lib Contributed by the contributed hairs, with Quadrupous theater, in

one Pardin upon Dans oches 1977 h. 1972 de 1972 1987 h. 1972 de 1972

The descent less to the tell blooming by the property of the p

counted

counted amongst the imperior Amongs and of a lower Degree of Last be death

Of the fiveral Rinds of Birds.

Fier this the Cold and Wateriff Earth being drain dand warm'd by the mercaling influence of the Sun the Mountains, Heaths, Dales, Valleys, Water-fands and the Sea-thore, was cover of with alexarrant. Plattick and Prolifick Slime, which drew down warm Regions of the Air, the Specifick Forms of Birds or Aerial Annuals, which being united to this Linguism nnumerable numbers of Eggs upon the Mountains, Heaths, Valleys, and all parts of the Easths Surfaces and no noner were these Eggs Form'd, but he warm influence of the Sun, lat on Brood appon them mult they were Brech's into little Chickens Thole Harck's upon the Sea-thore

Thole Harch'd upon the Sea-shore became Sea Birds, thole by the fides of Livers, feeding upon Fredh-water Fills and thole Harchyd by the fides of Lakes and Ponds, became Amphibious Birds, feed-

feeding both upon Fish and Herbs, as Swans, Duckson St. Thole Hatch'd upon Mountains and Heaths feeding upon Mountain Vegetables, Heath Birds, those upon the Plains and Valleys became Domesticks, feeding both upon Grass and Corns and those in the Woods, Singing Birds and Birds of Prey, as the Pagie, and the relt of chole Tyrants of the Air.

After this manner were the Aerial Adimals produced, and the real on why Moles makes the Aerial and Wateriff

Animals Congenial, is, First, The parity of their Producti-

on, being both from Eggs.

freds

Secondly, The Affinity of that Matter on which they were produced, the Air and Water being Transmotable Elements.

Thirdly, From the likeness of their

Actions and Qualities, the one Kind baving Pins by which they Swim in the Water, the other having Wings by which they Ply or Swim in the Air.

As these were the Productions of the first Spring Mouths (viz.) January, February and March; so in these Mouths they do stways Propagate their Kinds by Jayung of Page 1997. by laying of Eggs, every Species so

cording to its kind a fome on Monntains, others in Valleys a fome by Water-fides, others in then Woods; che the warm Wing of the Dam, now impplying the Want of a warm Sun-beam.

of their Shells, to it throughout and nourifles them by Vital incubations, till their Pinions be able to bear them up to feels their own Food: Thus the Wing is both the Midwife that brings them out, and the Nurfe that brings them out, and the Nurfe that brings them up to some daries and the pings the pings them up to some daries and the pings th

to demice QHAP VI am of

thus was the pamerous Brood

.laminA

Of the Terrene, or Viviparous disimals.

A Free she Production of these Aniand Perfection, and the Sun was advane'd higher in his Annual Motion,
which Darring down his swarm Beams
upon the Earth in a more direct Line,
they did penetrate deeper into the Cold
Matter; and by drawing forth its Fersile Spirits towards the Skin or Surface

ofic, they fee the Plattick pures in working, and modifying the Paffive Matter into more noble Forms; which by their Sympathetical Charm their down the Specifick Forms of the most perfect Animals within the Second Sphere of Life.

For in every little Pit or Hollow of the Earth, which being fill'd with Lixuriant and Prolifick Slime was kindl'd by the Vivifick Vertue of the Seminal Form, a little bubble of Life, which the Plastick power began to shape into the Form or Figure of an

Animal.

And thus was the numerous Brood of Quadrupedes, [being Animals of the most perfect Kind] first Conceiv'd in the warm and moist womb as Modified Matter, noursh'd by lincking in the Luxuriant and Prolifick Slime; which by their Vital Heat they digested and distributed into the Several Parts and Members of their Bodies increasing of them by an equal affilialitation of Parts; and as soon as these young Embrio's had got strength, they Crawld out of their warm Nests of Matter, and began to stick in those Heavy Devis, and lick up that tweet Matter which

lad nijon the Graff and Herbs and

this supply d to them the went of Ma-ternal Milk and Nourillanent.

For during the time of these Produ-ctions, God neither inflored it to Rain upon the Earth, not the Winds to blow, left this Infine Broad of Young Animals fliou'd have been deftroy'd, beforethe Birds got Wing, for the Beatls Foot and firength to defend themselves against a Storm; but there were up only a Mist from the Earth, which wa- Gen. 2: 6. ter'd the whole Faces of the Ground. And this Wift was only a warm and moilt Smother, which arole from the Earth, as we observe it to rife from the Pumpers in the Spring Months obos-Goo'd by the Morning Sun Beams, and these Clouds which did Swim in the Air, only fervid for Henbrellos and Parafoli to fereen those infant Animals from being fenreh'd by the flest of the Sun, and from drying up their Food and Preste Matter usualicuoid bus

The Earth being now Stock'd with the feveral Kinds of Animals, contain'd under the Sensitive Genus, they did Propagate their Kinds by Univocal Generation. For which end Nature and Providence hath form'd feveral Velicis

K 3

Veffels or Slime Pits in every Female, for preferving fomething. Analogous to that Original Slime, which was then the Paffive Principle of Generation, and likewife in every Male fuch Veffels as are most fit and commodious for preferving a Beam or Sparkof the Atherial Flame [which being the material Vehicle, wherein the Specifick Form a preferved] kindles the first bubble of Life in the Paffive Matter.

And we observe that as soon as Age and Maturity hath fill'd these Seminal Vessels with this Prolifick Slime, and digest'd it into a right Degree of Heat and Temperature, the Females of every Kind or Species of Animals, begin to Prone, Dress and Trim themselves, by which modest way of Courship the Male is drawn and Charm'd to within their Sympathetical Spheres: Thus the Evening and the Morning, or the Sympathetical Union of the Active Form and Passive Matter, made the Fifth Production.

Propagate the Sonding Con-Propagate the Con-Appendence for which the Conand Providence bath for And this Noble Greature God call of Man, being made not only after he own imadive he of the D immortal inception of the matter he manicable Artificutes of continued of the manicable Artificutes of continued income carable Nature, by which he became carable

THE Earth being now cover'd with the great variety of Species, contain'd under the Genus of Vegetation, the Waters replenified with all Kinds of Fifth, the Mountains, Plains and Valleys Stock'd with Herds and Flocks of all Kinds of Cattle: God dist once more Modifie the Paffive Marrer into a more noble and excellent Form, not only capacitated to receive the lower Degrees of the Animal Life; but also fitted with Organs to entertain an Intellectual Soul, which Majes tells us God Breath'd into it 1 It being impossible for Matter, tho never fo curioufly Modifi'd by the Plastick Spirit of Nature and the joint Concurrence of the Coeleftial Influences to draw down by the power of any Material Sympathy a Soul out of the Immaterial and Intelledual Spheres of Life to Animate and Enform it.

And

(136)

And this Noble Creature God call'd Man, being made not only after his own Image, Spiritual and Immortal, but also after his Similitude (viz.) Endow'd with all the Affections and Communicable Attributes of the Divine Nature, by which he became capable not only of disclosing the Secret Mysteries of Nature, and of diving into its Deep Philosophy; but also of Knowing and Adoring his Creator; by which Perogatives of his Birth, and Noble Extraction, he became Qualified for being his Creators Vicegorent upon Earth.

once alone relevant executions reliable and the most reliable reliable and the reliable states of the reliable states and alone of the reliable states alone the contest with Greens to entertain and the the reliable states and the reliable states are reliable states and the reliable states and the reliable states and the reliable states are reliable states are reliable states and the reliable states are reliable states are reliable states and the reliable states are reliable states are reliable states are reliable states are reliable states and the reliable states are reliable states are

Services, to cover is executive to the power of sover the functional and such the final Soheres of Life to Anthony and Executive to the Executive to the Executive to the Executive to the Executive to Executive

The Conclusion

Wherein is shown the meaning and someticancy of these Words. And God saw every thing that he had made, and behold it was very good.

Hat God, who is Infinite in Goodnes and all Perfections, cannot be the Author or Producer of any thing, but what is Good and Perfect in its Kind, hash been always affirm'd as a granted Principle, not only by the best of Divines, but even the generality of Pagan Philosophers: Yer Mofes, notwithstanding this, forefeeing that this excellent Frame of the World, which was defign'd on purpose to bring all reasonable Creatures to the Knowledge and Veneration of their Creator, would be perverted to contrary Ends and Effects; and that the Production of all the Greatures might be afcrib'd wholly to Second Caufes, or to no Caple at all si but to Chance,

CI,

and

that and

text

alle

fevi

ABC

ed

ing

fur

TO!

a

0

d

(

Chance and to the casual Motion of Matter, for the prevention of which, he liere brings in the Almigney here Humano taking an exact View and Survey of the whole Greation, both was the Structure and Furniture, and giving it his Divine Approbation in these words, and he faw every thing that he had made, and behold it was very good.

The Goodness of the Greature do Principally consist in these Four Parti-

culars.

First.

ment with those Patterns and Ideas preconceiv'd in the Divine Understanding.

In their Fitness and Suitableness for those misplaid Ends and Purposes for

which they were Created. Will in aled

In their being Good and Perfect in their feveral Kinds:

In the Regular keeping and oblerving those Roles given them at their Creation.

en Wildom and Countel, will be clear indevident, if we corefully observe, that not only their Numbers, Shapes and Figures 3 | but also their whole Contenures and Contemperation of parts, with their Natures and Qualities, have all of them a manifest relation to those everal Uses and Operations they performs and this is fo fairly Illustrated and Prov'd by the logenious and Leaned Mr. Reg. in bis Theatife concerning the Wildom and Providence of God in the Greation of the World s that a further enlargement upon this Argunent, wou'd be wholly superfluors.

That all Creatures ore Good and Secondly Perfect in their Kind, will appear, if we confider that it was most agreeable with the Divine Wildom, that the whole Scheme and System of Nature, Shou'd confift in different Degrees of Perfection and Subordination of Life: And dir every Inferior Species thou'd be Concatenated to its Superior by Animak of an Intermediate Nature,

And yet notwithstanding this difference amongst the Creatures in Degrees of Life and Perfection, we cannot but observe, that every Creature even of the lower Degree of Life is Good and



6 1

6

Col

hav

02

of

Dh

12 10 11

of

pe of

Beriett in its Kind (eds) without an blemith, defection flaw; for she man est infect, is as perfect an Admit a the Elephane and Whale, and God Widom and Power is as well to be Admir'd in the Paint upon the Butter flie's Wing, as in the Glorious Body of the Son.

Again, there is nothing more agreable with the Divine Wislom, and thurthere should be in so great a virlety of Creatures, Degrees of Subadination and Perfection, will yet further appear if we consider,

First ... That these Greatures of a lower Degree of Perfection do by comparish linstruct and confined those of a lab

set Degree and east it that as bilinose a

Secondly and Harmonies might make up a Vide Coment whereby the whole Francisco Structure thou of be United to him and

Thirdly. It was necessary that the wiferent Degrees of Life, that the Wiferent University Goodness that his Infinite and University Goodness might be more Visible in the Sipplying and providing for the Wahts of

to walt a mamber of Creatures of to dis-

Laftly, That Man being placed at the geat a diffrance from the Beatifick William which while he continues in this compounded State, would either have Dazl'd or Confounded his Sight, or affiright'd and Raviffed his Soul out of his Body] it pleased therefore the Divine Wildom to Create all this great ratery of Creatures that he might be held his Creator at Second-hand, when his Bodily Eyes could not bear the fight of Him at the first.

4

まる まる、対域 中間

60

And Secondly, That he might exer Secondly de and improve his Rational Faculties; and entertain his Heaven-born Soul with Natural as well as Divine Speculations, which in some measure Compensates for the want of a clearer fight of the Divine Vision.

Again, altho ir must be granted that in those different Degrees of Perfection all are not alike Amiable, Lovely and Bhesicial to Man; yet those that are the less Beautiful and Lovely sets off the Beautiful and Lovely sets off the Beauty of the rest, as Shadows set off the more lively Colours.

Thirdly, That the goodness of the Thirdly.
Creature, does consist in its fitness for those

these Ends and Purposes for which was Created will appear, if we der that it cannot be really im that God who is Infinite in Wildon Goodnes, thou'd Create, any thin Vain; but to good Ends, and the ne Deel'd or Confined ellogres ito

We therefore in the Natur Things can discover Infinite agree nels of this 40 that, and of one thing to another And though wood throughly penetrate and discount Relation Uleand End, of every This in Nature, by reason of our Incapacity, occasion dby the Darkness of that Sine we live in 5 yet we have reason from what we can discover, to conclude That every thing was Created for good Ends and particular Uses:

For first of all, we do observe the every Inferior Creature was Cublervin to its Superior : And all the Creature Subservient to Man a altho our line rance in this Dark and Degener State, has made us uncapable of Un derstanding their Natures and Ules Secondly Secondly, Weobserve that every De

ry Animal for its proper Element. use, does couldfind be flened for

ment is fitt'd for its Animal and eve

thofe

t STIO

We observe that every Object is fit- Thirdle. ied for its Senie, and every Senie to in proper Object.

We observe that Food and Nonrish Fourthly ment is provided in Nature's Scorehouse for every Animal, and every Ammal for its proper Food and Nonrifbment.

There being trite and common Toicks, I refer the Reader to those Authors who have made it their Bulines to enlarge upon them: I fhall proeeed therefore to thew how in the last place, the goodness of the Creatures confift in observing and keeping of mole Laws given them at their Creation.

When the Almighty had Created the World, and Stock'd it with several Ranks and Degrees of Creatures, He gave them Laws to keep, and Rules to walk by: And thele we call the regular Course of Nature, from which they never vary unless at their Creator's

Command.

te

These Laws which all the Creatures are govern'd by, are,

1. A Divine Impression ; Or,

2. Naturd Infind.

3. External Senfes.

A.The Laws and Rules of Natural Reason.

The Line " f. The Inanimate Creatures are of Divine vern'd by a Divine Impressions we look up to Heaven, w how the Sun, Moon and all the rial Globes do perform their N Motions, from which they ha vary'd higher or lower, faller flower, fince their first Crestion; how they thed forth their Con at Influences on all things here

2. If we look downward, we a observe, how this Terraqueous G confilling of dull and Itupid Man turnes about its own Gentre, and turally, Constantly and Regularly forms its Diurnal Motion, its cold in thereby receiving the warm loffuen

of the Caleftial Bodies.

We may objecue, that the weak and groveling Plants (wind Hop, Vine and Ivy, are by Name furnish d with Tendrils or plient Sen and how by a Natural kind of Infind they teek about for Supporters, and having found them, they Clasp shout them; for all the Plants of this Kind, at if they were fensibe of their being jective are always in butie quelt for their Substantive.

4 We

In

grith

'n

gn

m

di

G A

如 的 也 的 也 多

III

ti ir

t

ù

Fourthly, We may observe how the Infects, those Animals of the lowest Degree of Life, propagate and preferve their Kind by Natural Instinct, which in them supplies the want of higher Degrees of Senfe 5 for with what curiofity of natural do the Bees make their waxen Cells, lay Inflint. in their Winter Provision, and how obedient they are to their Master Bees or Governors? With what wonderful Art does the Spider Spin his Web out of his own Bowels? With what care and industry does the little Ant first make her Store house in some dry Hill, then feeks about for Winter provisions, and that the Corn and Seed the gathers may not growner sprout in her Storehouse, the East off that end where the Seminal Form is lodg'd: di alase to any

Fifthly, Wemay observe how all those Winter Sleepers, who when their Summers Provisions are spent, and by their Natural Infline they forefee the Winters Frost approaching, do withdraw into fome warm Winter-quarters, where they Live by Sleeping, till the approaching Sun invite them out into the Fields,

Sixtbly, we may observe with what wonderful Art and Curiofity the fmalleft Birds build their Nests of several forms

forme datable to their Westness or Secondes how when their Nicks an Buile, shey day their liggs, Hatch the with shelt Wings, and then Foed then till they get firength so Ely abroad, and feek their own Most ; we may further ablerve that all those Creatures that are govern'd by the Laws of Natoral In-Rinds never veries in their Operat ones but walk in the fame Boads and purine she fame Methods. AM docs the

Sense.

7.

.Onific

Seventhly, We may observe how those Animals that are Govern'd but The Laws by Sense and Initiod do Properties of external their Kinds, and how they are all per vided with Nerpral Aemous for fell prefervation: We may also observe a mungs those Animals of a higher Di gree of Sense such instances of Love and Hotretti, as are feldiom practical by the most Palianate Loversgoor the mil Malicioth Haters 1 and ennilisted Team

I have known and hourd ph Dogs and other Creatures, shot have pin'd amy and Dy'd for want of their Mafters And others also that best born such m implicable Antiparby against some perticular Perions, as was never to be reconcilid.

Eighth-

1

i

I

8.

Eighthly, and Lastly, I might instance in those excellent Laws of Prudence and Reason, as well as those of the Divine Life, which God imprinted upon the Nature of Man, before they were obliterat'd and defac'd by Sense.

Thus all the Creatures, Man only excepted, continue still under the government of those Laws given them at

their first Creation.

This may feem sufficient to Convince the most profess'd Atheist, who is not resolved to offer violence to his Natural Sense as well as Reason, That there is a God, and that the World with all its Furniture, was the Product of the Divine Power, Wisdom and Counsel.

The End of the Second Part.

I he elected

L₂ A

was introduced in-

Equility and solve I make the probability of the Laws given the profess of the profess

The End of the Second Part.

Divine Power, Wildom and Countil

all demonstrates to the

DISCOURSE

Concerning the

Terrestrial Paradise,

Shewing how

ADAM was Introduced into it: The time he continued in it; and how He and EVE Employed that Time.

1

DISCOURSE

Concerning the

Terrestrial Paradise,

Shewing how

ADAM was Introduced into it: The time he continued in it; and how He and EVE Employed that Time.

A

DISCOURSE

Concerning the

Terrestrial Paradise,

Shewing how

Collect rome contact at Series of the Collect of th

Was Introduced into it.

well Ancient a Modern, have made most lectularious Enquiries, siter the place and support of the Terrestrick Paradise; of which Moses has given us so particular a Description in his Second Chapter of Granss.

And shair Opinions about it, being andifferent and wide, as East and West, Heaven and Barels: We shall sharefore only

only undertake, to present the Reader with some Conclusions, drawn, as well from the fairest Arguments of probability, as from the Mosaick Account of

the place,

I.

.3

And first we Conclude from the Literal Sense of the Text, that there was such a place upon Earth, as a Local Paradise; and that this place, did as far exceed the rest of the Earth, in Fertility of Soil, and all the Products of Nature, as Gardens of the best Cultivation, exceed the common Fields.

We Collect from the Literal Scale, that this Terrestrial Paradile, in refert of Judea or Midien [where we suppose Moses Writ this System of the Creati-

is introckeed at tewif no

That in respect of the Surface of the Earth, its particular Situation was milplaced in a Middle between the Tops of the highest Mountains, and the lower Plains and Valleys.

That in respect of the Heavens, in Situation was under the Equinodial Line.

These two last Hypothesis's having no authority from the Sacred Scripture, we shall endeavour to ground them; not only upon the bare Account which

Tra

Travelse has given of the Fertility of those Equinodial Regions, but also upon such Natural Arguments as cannot [without offering violence to Resson if self] be easily deny'd.

For notwithstanding, that several of the Ancient Writers, were of Opinion that those Countries, under the Tornd Zone, were Liumhabitable, by reafon of the Sun's darting down its flery Globali upon them in down right Lines: And because they wanted those plentiful and pleafant Showers of Ruits, which Fertilized the reft of the Habitable Worlds yet the Experience of later Travellers hath discover'd to us, first that the warn of Rain is repaired by those great and rich Dews, which the Morning-cold Condenleth, and which lying upon the Ground until Ten is Clock, the Sun's Influence upon it, having then exhal'd the more Nicrous and Airy part of it; the Sphere of Rarefaction [which in those Regions falls low, and is always open] Rarifies it into fuch cool Gales, and Briczes of Wind [which always Blowing from Ten a Clock in the Morning until Three in the After noon] fo cools and abates the extrereim held freg mey.

1

mity of the Heat 3. thet no Inconvent

Again, the Night as Sir Water Raleigh has Observed in his Travel are so Cool, Fresh and Equal, by this son of the intire of thereposition of the Earth, that there is not to be south any part of the Habitable World's best ter, more wholsome, or equal Feeling of Aires away part of the habitable world best to not a son of the country of the son of the s

And statough there be some India which lye woder the Perpendicite Monotains where the Air Stagnation the frust Gales and Briezes of Witters vershowing them, and some belief places Sandy, Barren and less Inhibited, yet the greatest parties those Regions suspend the Plains and sower Malleys have always their Air Brushe and Sweets de with those fresh Brieze of Winds, and are pleasifully what with Rapid Rivoleta trising from the Tops and Sides of their Neighboaring Mountains.

And shele as well as the Plaiss and Valleys, are Beautify'd with abutdence of stately Ceders, and other Trees, calting a pleasant Shede, and delightful Fragrancy.

They



They are enrich de too with all forts of most delicate. Fruit trees, always Green, and bearing the choicest Bruit in their highest Degree of Persections. Their Boughs and Brinches are nevel sectoath'd and less naked a for their sap nevel croops under Ground searing the Wisters Frosts. and to a season and a searing the Wisters Frosts.

は、自然の一般なるない。

To she le Accounts which we have from Travellers of the greatest. Esnell and . Fidelity ; word a further banks, That as all the flat Strates or Layers of Stones de Merris, lo and Subterruhean Batthe, have a blantiral Rife bowered this striddle Girdle of the Barth, rand a andual Declinity towards their wo Roles (which all Mineralists, who wo destand the Seructure of the Harris metic Valled that the beind of eats, but Wallingly agree to also may thence wholl realthably Collects that thefe Repris notial Regions were the first dry Land that appear'd afect the Waters begad to divide and decreasemen send odw

We yet further subjoint that as this stiddle Girdle upon the Earth, het parallel to the middle Circle in the Henvens [we call the Sodiack] through which the Sun performs its Annual Counce, we Collect that it, with the

3.



adjoining Regions, received the first and largest Influence of the Suns Enlivening Vegetation, and consequently were Stored with the first Product of Nature; as well Animals, as Vegetables. So that in all probability, there might be Ripe Fruit in Paradise, before those other Regions towards the Tropicks and Poles were drain'd from the Waters, or receiv'd the Sun's Vegetation according to their Matural Scasons.

Again, as these Equinoctial Regions produced all Kinds of Vegetables and Animals in the highest Degree of Perfection their Natures were Capable of So they did, and do to this Day afford us not only the greatest plenty of the most Valuable and Useful Metals, as Gold, Silver, Brass, Iron, declared this is not only evident from the Mosink Account of the Rivers of Paradia; but the Experience of those Merchants, who being tempted by their Value, Trade thither.

Once more, as it is most probable, that these Æquinoctial Regions were the first dry Land, that they received the first Enlivening Vegetation of the Sun, and were honourd with

(357)

o ly of a

R O-

be

M

Di

d of fi

ちゃから山

with the first products of Nature; so it is most agreeable with Reason, that all the Regions upon Earth are more of less Paradisaical, as their Situations are nearer or at a distance from this middle Zone, and that from Paradise they were first Stock'd with the several Products of Nature, and the several Products of Nature, and the several Propagate their Kinds their, and the Propagate their Kinds their, and the nost probable, that they did degenerate from their Original Perfection is their Propagations were at a distance from Paradise.

As from these Arguments we Collect and Gondlude, that the Terreffrial Pandife was in respect of the Heavens Simulated under the Auguinostial Line fo in the last place, we Conclude this its particular Situation was in a middle between the Tops of the highest Mountains and the lowest Valleys and we ground this Hypothetis upon the Account which Mofes gives of the Course and Metion of that River which water'd Paradife; for this River undoubtedly had its kife from the Top or fide of some of the Eastern Mountains, and took its Course first in one Rapid Stream,

7.



Stream, through the midfle of the most pleasant Dale, and then by ding it left into Four Jeffer Stre they became the Heads of Four greatest and most noble Rivers World which fliding down th the lower Dales, Plains and Valle great part of Alicand Africas empty'd themicires minithe Top hight of at Signation gays delight Air, together with acous and gratefu the rest of the Rising an is from these Arguments we necellarily: o Skirts of the highest Mound ole Eastern Councies, ended it from the Cold Bl

for this tie to thim It may be supposed also, there it encompalled with leffer Hills on fides excepting the South-east, which

Northern Winds from whose lad flow that Repid Mineral

which took in Course throu

THE STIC

he into is the warm Enlivening Prems
of the Rifing Sun, and which was the onis passage that gives liberty of Engrance

Alberthele Hills were Beautifu'd and Adoro'd without Kinds off Trees, which might growing the Sentes with their fresh and beautiful Colonical ways Green, and catting a most plensant shelp and delightsome Fragrancy, in which the Active, and Chearful Birds Sung their Morning and Evening Anthons

のよりを表をを手を見ると

thems of the sour, whose of the amount of the third spines of the That their Halls paceupaded a large and spacious Plain, whereis did Spray of the spices of the same of the spines of the same of the spines of the same of t

be In the middle of which Nature had Planted a most Curious Grove at Orchard, wherein did Grow all Kinds of Fruit Trees braising the choics of all Fruit; that might cither gratific the Bye or please the Palets.

The most remarkable Trees in this most pleasant Garden, were the Tree of Life and the Tree of Knowledge, which [being taken in a Literal and Natural Sense] had their Names from the

3.

4



the Nature and Quality of the Divi

The former (cite) the Tre Life Bore a wholfome Fruit, prefer both the growing Sentitive and cional Life; and that follong as al compounded of Master, confifting convery Qualities bould lan . I'm in The other (viz.) the Tree of Kn ledge Bore an unwholefome Fruit of Poyloneus Natures which destroyle the Batellent Frame and Tempe ment of the Body, made it subject to Different Pains, and left of all to Dearing trevertily niel succeed and the former gave us the Bay enceof Health, Life and Vigour, whi Mentare relection fentable of while th happy State continues. So the Fr the other gave unwho knowledge in full Experience of an United thy a Sickly Could retion of Body, and Bally by of Debth and Mortality; hence had its Name of the Free of Ki ledge from the dear bought Exper

This I confess is but a rude Draught of the Terrestrial Paradise; yet I profume to offer it as a probable Hypothesis, and I doubt not, I but with Men of

of its From lable Liber to lo

bet-



2.

bester Judgenone j it inay patrick from and ferve to Illustrate their Newholson smore elevated in district their Newholson in the Tourist their particular their patricular thei

Adam the Royal Rankarchilefoli kinds being Form's were his Bollywind Olganical para becar di moliviande with the restruction Theorem Addings his ing in Restiving hand intelliging and Infinit into him finite as the wind Members got Strength to Walk when from the place of this Whithviery, whether skew View of those large Dominion his Boundifest Creater deligned purp under his Governmente is The finit pla he had in Profecti was this Three Milal Bradifi wood and which in the let thirt pour noe forling un Birting inche, or God effect any ringet ad the tris Guide, sund debt film calmand Policifions his buscampilities believed the sortion of the sortion mit

(152)

dado pologio od se los especiales designado and ferve to illustrate bisteres desidend

And notification back this Registers and antique of the Picture and Delight Subtandence to a citate Birds and Redistribution of the Picture and Redistribution of the Shape and the finite intil a Creature of the Shape and his and Derive and Majetick a Gome and be a Deciral and Majetick a Gome and be a Deciral and Majetick a Gome and be a proper and be a prefer the proper and be a prefer the proper and be a prefer that a proper and be a p

brimplitace and extra to to describing the on Dight of pend in Walk m round the Woods and Plaint of Rediffer whitehe book a View of all the Cheeruses, distinguished shein Tribis Indigave Names and Offices so then exceeding exclusive for the beliefunts and Hitiga II profude that is central boungin'd that one Day could be full under his Gove also Tra sargon will also side des a Ambirion des to eserció emprove his Review iring into alter Natures and Qualis und of the Soptimire Anima is and sloub but five [halomene lassidefrous as in to less desirons, to inte priorit her Alkinden den and Konvinige magney did spendehn time

ratifying her Extend Sentes, with the tragrant Smell of the Mit Plowers of Paradife, and Tafting its fuser Front, but in making Enquiries his other Natures and Kinds of Pruits and Samples, in diffinguishing their levels Samples, in diffinguishing their levels Samples, in their Natures and their Natures and their Natures and their Natures and Tuoy 11 4 yingot

And certainly it was not the combined and the control of the contr

And although it be molt probable that a Natural Serpens, having a speck-ted Skins Boundry'd and Adorrid with all the variety of Natural Paint, in the most fresh and sively Colours, was not officious Favorite, and presented to her Royal Hand this Bernetial and Lovely Prairs 2 and right was 1

Yer doubtlets it was her own Natural Serpent, or Conceptione, did frame and luggette to her a Difcourfe to this effect, on report to a zint and manager

M 2

Hath

ni Hachmarous Bountiful Great ains. Worth avish all this great when of Carpatines in its consumption for Government of pour linearial se with the latis inchion of Entern property in attack physical Reculsion of she Racional Spul winter Entertainmenter of Wildom and Phik lophy ? If you Tafte not then the lonely. Fruit you evacuate God's Detion to be like Godino gripsy and agil subgring of the big of the bear the Hould hat of this Fruit, He would grebara madalic to Beautiful and De reables di's Inspalificatività she No bural Goodge feet your Grephoes egind veninte the fireand oblige grounder Burn, to Inflame your Affection with Arong Delira and pot to gratifie it. Application the sound don't but appearing appearing a second seco God basomadeall Poyloness and hurs for Creatures of a the Good by it not ell a frightful Afpecty is not you below Anong Anniparty against thems he this Charming Complexion and prayon to taste of it. To which the Coulide rative or Bacional Faculty replied. Our Bountiful Creaton changiven w

hiberty to cat of all the Trees in the Garden, but this is forbidden upon pain of Death.



which was by your Bating of the Print of methody faith Concept federor, which was by your Bating of the Fruit of more your Knowledge, and there fore he gave it the Name of the Fruit of Knowledge. For as your lave discover'd the Natural differences amongft the Sensitive Animals, and have given Names to them, your Creator certainly expects that you should understand the Natures and differences amongst Fruits and Vegetables; otherwise you will never be compleatly Skill'd in your Natural Philosophy:

This proud thought of being Wife, and a Natural Philotopher, so tickl'd Adam, or Reason, that he condescended that his Bride Eve, or Concupiscence, shou'd take a Taste to Cure her long-

ing.

東京は金田の

And she finding it a Fruit as well grateful to the Taste as pleasant to the Eye, perswades Adam to a further condescention, until a second Consideration made him seel the miserable Effects of it, as well in his Conscience as in the Constitution of his Body; which his Reason being asham'd of, he sted from the Presence of God, who usually, asit's believ'd by some learn'd Authors,

3 came

(166)

shoolid or pointer sets hi merchember of an entroped sets of him, and colored sets of the entropy health in particular and an entropy health in particular and the health in particular and health in particular and health and the substances are neglected to the Natural differences among the Sandine Annual differences among the sandine of them, your Creator contains the Natural von the near the sand of the near the n

This moud thought of being Wife, and a Natural Partotopher, 's icked dame or Reason, that he condelers 'ed the bar his Bride Fe or Concupitence there are her long-

and the finding it a fruit as well grateful to the Taire of hading to the fire of hading and the fire of the fire of hading as well in a conformation of his south, which has heaften being altern'd of, he had from the Preferce of God, who who will be as it's betiev'd by Jones learn'd a net ore.

DISCOURSE

Concerning the

CONFLAGRATION

Material World;

THE

Local Hell:

i ts

OUTMOST BOUNDARIES

OR

Abrahams Gulph.

A

DISCOURSE

Concerning the .

CONFLAGRATION

OF THIS

Material World;

3 H T

Local Polli:

TS

OUTMOST BOUNDARIES;

O R

Abrahams Gulph.

(963)

And having also shewn how Water, by uniting her screes in the Time of Noah, changed this Terraquent Globe for some time into a Warerish Planet, by effecting an universal her luge which covered the Tops of the head Maranes of the Tops of the head Maranes of the Tops of the duently threapped not one of the Larchquekes, to notify of Thousand most violent Emprions of Fire Last Tuland's to break the Syncture and Temperament of the Syncture and Temperament of the Syncture and Temperament of the Entry Planet; of an Emperament of the Piery Planet;

Now as a great many Learned Men

which wing timeber former part of the wind with the wind of high wind the wind was have as have diffurbed, and sometimes in all lages and sometimes in all lages the Regular Course of had the reternatural diffurbances, were eccasioned by that Natural Strife, that happened between the contrary Quality ties of Heat and Cold, Fire and Walter, world see the contrary of the ties of Heat and Cold, Fire and Walter, world see the contrary of the ties of Heat and Cold, Fire and Walter, world see the contrary of the contrary of the ties of Heat and Cold, Fire and Walter, world see the contrary of the contrary

(129)

And having also shown how Water, by uniting her forces in the Time of Nosh, chang'd this Terraqueou Globe for some time into a Waterish Planet, by effecting an universal Deluge which covered the Tops of the highest Mountains Pricem Cupits

And how the Central Fire he quently threatned, not only by Univerfal Concustions, and Earthquakes, to unhinge its Poundarions, but die by Extraordinary and most Violent Erup tions of Fire and Vulcano's to break the Structure and Temperament of it, and own it afto a Globe of Bay or Fiery Planet;

Now as a great many Learned Men in all Ages, have been inquiside into the Natural Gauses of this Universit Deluge, and the Difficulty they met with, being to find Water fufficient to effect it, withour a Minacle perunit E 80 a great many Lear and ander takers have been no Jest Hadustrious to find Fire Addictions on dry up the Seas and Rivers, und then to Blind an Universal Conflagrasion of this de ties of Heat and Cold, throw lainst

Thefe two Difficulties [in my Opinion] might have been cafily re-And mov'd.



mov'd, if they had understood better the Structure of the Earth, and the Nature and Quality of that Matter which makes up the Constituent partagor

of with the I

to

Ø

It will be necessary therefore in order to our Establishing a Well-grounded Hypothesis concerning the Universal Coolingration in a Natural way, to Resume what we have formerly Observed concerning Matter in General; which we have disided into Three Classes [viz.] Volutile, fixt, and Fluid; and to thew that these Three different Class of Matter, bear qual Proportions one to an other, and in the Structure of the Earthy occupie the same proportion of Place.

The Volatile Class Fwhich we call the Central Fire confifting of Achereal, Nicrous, Sulphurous, and Bituminous Particles I bears proportion, so one Third part of the Liameter; And this Class makes the Eartha Equilibrium; and by running a perpetual Round within the Circle of its own Internal Vanit, Carries about with it this Crust or Shell of fixt and fluid Macher whereupon we live, once in every Twentylour hours, and this we call the Dittrial Motion of the Earth.

(452)

SiteM bille bire oxicement internitate the Field, Brood Compounded Body, bears proportion the other Two parts of the Diameter offarts, Combuffible, Calcinable quinable, and Inflammable The Baid Class confits of which is either Subterranean, perierranean majornos pavis cufaces the bught the larger Veins of Berth, of pervades the Strait Pores Phat Which Circulates through Larger Veins does not only ing Trapfinuted into Air feed nourith the Gentral Flams, but hampers is and keeps it Within the That When per Pores of Bente Matter, does and Native Spirits of that Matter strackles them by keeping of them by keeping of them within their finite Cells. Which other wife would break out, and let on he

1

The Superterfancous Waters duby maintaining a conflict Copschusionied between the Subtetranean shidu direct Waters and by who falling bol Blenki ful Showers of Buin upolvebeg flaulis Serlace, preferentexfrom being cletic over confited, or festen Pire byabei Rich ternal Heat of the Suns Influence upon which is the Vital Plame of it is By thefe Divilions and Compute tionist is apparent, that one Third part of this Globe is Volatile, another Third part Combustible and Idilbahnadie Salding driffs, swilne bas goold Which Thirt spartspatierves the Mass mony Land Configurators officies 1 Pal which makes the Girant and Tients peramennol ibil whole Body; and anthis should since bethrolies, and she Vols tile and Fluid distiered og acticheiente tipas bies, uplanseach nother, salle whole Engo and Structure ewould preferry berdiffelted, and bhings finfer in dulnod yb garebatholdeniging randbeat in the possession of the Main Oceano to Nautas itsall Compounded Bodies! which have any degree of Light with. Coment in themaile Bich Alamais fed and nonrished by the Bladicas idois Aure de which artasear, wafth and con fumes.

では、 はいいけん のかられ エラー

20

fi

BARBE

fortals anthe Exterior Pares of the Body betonie idey, Withered, and more Combultibles and attache laft who whole Body is thrown into a Feverill Burning of which continues uncile the Vital Plaine be Extinguish'd, and the Mative Spirits fly mus 2 80 in this great Body of the Barel, the Central Wire which is the Vital Plame of it, by continual feeding upon the Pluid Matsery does gradually , walk and confune of this Globe is Volatile, another and this is not fonly observable in due Sinking of Pits, swhere we gene rally meet with other upper Street of Beds of Score and Cole drained from sheir Wateriff Beeders, their Native Spirits Exhalld; butatio feveral Am cient Springs funkondown in their Velosigh linege & Aivers idetrebeld of their Water Courses sand the Seas in Ground Countries to have loft Ground as in fully and Holland, butischous donbredly [in formed ages] have been in the possession of the Main Ocean From these general Delicestion of the Pluid part of the Globe we conclude that [according to the Narmal Course of things in this World the Volatile Matter, as the Central Pive will fumes.

(375)

gills the drocefs rolf sine for for bais ine Silbe trage biulit ide noque battong diffudence leady motion tuo, Auridios and Inflammable partisonand they fels tiog them first on fire, the whole Globe will be turb'd, into las fiery Planet from whole Scoething find fier Atmoiphefinishei Pluid Marrer fhath he forcid to allo and range affolis vis shigh fogs and Waterilh Mifts, unribothed A veries direction of the kind bee kind dividing the Colonial Regions from the Smooky and Flaming nacmosphere of this Burling Glober and its into probable charby chargest Guiph which Father Abraham Cold Diversidas placed berween Heaven and Welt W walt meant inthe le or Pogs wand Wileriff Mittau Which Shall divide the dutmoft Roundamest of thom; through which the Diagrand Soulsmin probaby feethers and have fome Interlocution with the in the Goldfial Regions; the all this stall ordy inflame and aggravatocheir Torments whem shey thall fee offer ham, dfaer and Jarob, in the Kangdom of ticavens and shere felves that our by this unpullable Gulpha anounico, out Histing already made is apparent that when the confus'd Chaos of Mars

ter

(942)

acrifemedihamahe Horabob this Habita tale Globe, she Wellstile pass of lander Material sentency of Motion, Settled in and Inflammable gazzaquiathal bas adolad that the Contral Vailtpwherein thin Polarile and diery Marcesis conenin da lica ten Proprietion co a Third part of the whole, ice that to be mart probe-Madasiwelkfrom Scripture as Natural bors and Waterift beifte, ungiholtag x: ber the Scriptores reprofems Hell as monte ref Pite, Manago 491 Reitizo saddlemandshim like of Fire of bo Odnitell is reomnionly gealled infimus, Which againes is place Infra declinates lowsithes Consicot Oblouser cost offthe Find Martin hybrid we Hiverinel Migall'de Tenter wagowhich Significants Pitrofittell, ob that Informat Dustion Abidon ither Fire and Brim Rone bretut Burts and Scorchect to the mails no and have forme Interlocution with theid with the thin affectual bake of thire Was in the Contra spens of ithe Esith, wastoor only the Opinion of the Romis Church Swhich has midertaken to give the Dimensions of its thur agrees with the Opinions afamoible fither whitene Buthers and Doctorebauf & Christishithat when the confus'd Chaos of Mays 291

S

3

ia 4-

1 11 15

It is also agreable with the Opinions of our own Doctors, who aftert that at the Day of Judgment, when the Sentence against the Winked shall be pronounced in these Words in Depart from me ye Cursed into everlasting Fire, the Central Fire shall break out. and cause an Universal Conflagration of this Material World; for then the Central Hell shall be enlarged, and the Aerial Regions which are now the Devils Territories shall be fill'd with Smoak and Fire, and the Damned confin'd to that everlasting Smother, where the Worm shall never die, and the Fire shall never be quenched; by which words its more than probable that this Terraqueous Globe shall be changed into a Fiery Planet, that the Aerial Heavens shall become a Flaming Atmosphere, and that this shall be the Eternal State of this World.

He that would defire further Satisfaction in this particular, may confult Dr. Hackwel and Mr. Ray's Discourses concerning the Conflagration of this World; my intention being only to shew, that it is most probable that there is a Central Vault of large Dimensions, filled with Volatile Matter, con-

N Lifting

fifting of Nitre, Birumen, and Sulphur; and that it is as probable that this may break out, and fet the Barth on Fire, as its possible for a Man so Die of a Burning Fever. alast ai bomuon me there me to Cook is soo sourted to the three the Central Line Stall british our and cause an University Construct on of the Material World allor then the Central Hell finall be enlarged, and the social Regions which are now the Luis Territories (nall be fill d with Smook and Fire, and the Demand Loaand to that everlelling smeller, where the Word that never die, and the Fire shall never be quenched the which words its more than probable this Terrag rous Glos and be-AND into they Plant the the Acrel Heavens il il become at latine Atmosphere, and take his feet sale Marked State of the World. te that would collect in the A Voca religionime and mi noile Dr. Mirenel and over Ress Court and concerning the 1 online ation of the had bluegord North in jedy with Chronia Central Vallentianness of a

flied with Colorile Victor

A Short

TREATISE

OF

Meteozology;

With some

Observations concerning the Changes and Alterations of the Weather.

Shore Shore Shore Office Sh

Changes and Alterations of

the Weither

of Metebrs that are morented with

extends as high as the feey Gallan of the Sunt make toods Acound from the

TREATISE

ne higher 'a: On steends in

Meteozology,

CHAP. L

Of Vapours, and Exhalations, &c.

Apours and Exhalations are the Perspirations of this Terraqueous Globe, and are caus'd as well by the Internal Heat and Fermentation of it, as the External Influence of the Sun, which by opening of its Pores, sucketh them out, and raileth them up into the Regions of the Air.

These Vapours and Exhalations are the Material Cause of the several Kinds of Meteors that are generated within the Compals of the Atmosphere; which extends as high as the fiery Globuli of the Sun make their Rebound from the folid Surface of the Earth, and Fluid Superficies of the Waters, and no

higher.

The higher the Sun ascends in the Meridian, it strikes down these fiery Globuli with greater force poor the Earth and Waters, and confequently they rife frigher, and elevate the Vapours with them. So that the Atmo-Sphere is higher or lower in several parts of the Earth, as the Sun rifeth higher or lower in the Meridian, and its Beams are darred down in a more direct or oblique Line.

And as the lowners of our Northern Atmosphere, causeth the Sterility and Barrenness of the Northern Monn-tains; so the height of the Southern Armosphere, causeth those Mountains in the Æquinoctial and Southern Regions to be more Ferrile and Proand raifeth them up into the Real out

the Air.

es Vapours and Exhalitions are Recrial Cause of the several Kinds

CHAP. IL

in

ch of

ne

d

Of the Efficient Causes of all Metors; and furst of Heat.

plane Ground, and in the Valler DY Heat is not to be under frood the Blument of Fire, which driffotle and his Followers conceited to be under the Concave of the Mode, [there being no fuch Element there) but by Heat is meant that Internal Heat and Fermentation which is in the Body of the Barth and that Matural Fire which is originally and effentially in the Body of the Sun, the Véhicle of External Hear, which Streams out from every part of that Fiery Globe, giving Heat, Light, and enlivening Vegetations to the whole Material World, being within the Compass of its Fiery and Luminous Atmosphere.

These Streams of Heat and Light [which is only the shadow of Heat] being Darted through the Regions of the Air in Strait Lines, and single Rayes, are not perceivably Hot or Cold, no more than the Light of a Candle without the Sphere of its Heat; but being

N 4

doubled

doubled by multiplyed Reflections, and Reboundings from the folid Surface of the Earth, does increase its Hear, as the Reflections are multiplyed and rebounded; which makes it hotter against a Wall, than upon the plane Ground, and in the Vallies, than upon the Mountains.

We must therefore distinguish between those single Rayes of Heat, which dart through the Air in instants, which are neither perceivably hot nor cold, and the Heat upon the Superficies of the Earth, which being contracted by an Artificial Glass, is Real Fire,

The Effential Qualities of Heat are Calefaction, Elevation, Rarefaction, Liquefaction, and Confolidation, as it meets with Matter Predisposed to receive its Effects.

I memous Armodonal Light
Thele Streams of feat and Light
[which is only the fladow of Seat at he interesting out the Report of the Air in Strait Lines, and fingle heaves, and fingle heaves, and fingle heaves, and for or his no such and the Sphere of its Heave he with out the Sphere of its Heave he with

Lildhol

ions,

Sur-

its

yed lot-

the

han

be sharping h

chap. III.

Of Cold, the other efficient Cause of Meteors.

DY Cold is not meant a bare privation of Heat, as former Philosophers did conceit; but a real Body, of
a Subtile Sublimated and Homogeneous
Nature, and of a cold and frigid Quality. Its proper place of Existence is
between this Earths Atmosphere, and
the Atmosphere of the Moon, which is
our next Neighbouring Globe; and by
the rifing and falling of this main Body
of Cold, are caused the several Changes
and Alterations of the Weather with
us.

The Cause of its Rising and Falling, is the pressures of these two Atmospheres between which it is plac'd: When the waterish Atmosphere of the Moon pressent it down, it causeth Storms and Tempests here upon this Globe; And when it Rises, it causes the same in the Moon.

The Riling and Falling of this Main Body of Cold, is sometimes also occasion'd fion'd by its Dilating and Contracting of it felf.

by '

ing

ren

the

Now as the Suns Beams are hotter in their Reflections upon the Barth, thin in the Sun it self, so these Cold Rays which are darted from this Main Body of Cold, being increas'd and multiply'd by Reflection from the Mountain and Rivers, are much colder than the Main Body of Cold in its own Sphere These Reflected Globali of Cold may beterm'd the Lower or Ground-sold be chuse in Summer it ponetrates the Earth. and in Winter it feldom rifes higher than the Tops of the highest Modil tains, unless when it joins with the Main Body, and then it cauleth great Storms OF Front and Show, Ot.

monly the Rear-guard and Van-guard of the Sun, always going before and following it; and its most perceivable in the Evening and Morning T wilights, especially, by Birds and Aerial Animals, whose Bodies do so fo sympachize with the Air, that they can more quickly perceive the Change of Weather (especially the rising of a Storm of Rain or Bnow) than any of the Terrene Animals; and this they commonly discover by

by their Flying high or low, or Flocking together; or sometimes by different Notes or Voices. This occasion'd the Ancient Augurs to conceit them Prophets, Oc.

The Essential Qualities and Effects of Cold in general, are Frigefaction, Congelation and flometimes Petrelaction; aid when the lower Coldis Contracted, either by Art, on Pripris Bong it Sturyes and Freezes, as the Bire Burns and addition of Karify'd Vapours draitored?

This lower Cold contracts and dis larce it felf as it midels with Oppolition from the contrary Quality of Heat When the Airis Calm, thearist bins

The Hifeers of the lower Cold when the Are is put into a utried of tresins it

By Antiperifficis irus Fires Dannes in Collieries, Mines, burning Mountains, and Vulcano's.

When it lyes upon the Earth, it caufeth Dews and hoar Frosts, it sucks out Damps and corrupted Air out of Un-

der-ground Works, &c.

CHAP

og toget Viving high or land of the C. H.A. P. IV

Of the dir, or Medium wherein and Meteors are Generated.

HE Air is a Vaft Medium by Expansion, fill'd with Ranif'd Vapours and Exhalations; which like Water would Staguate unless by a Daily addition of Rarify'd Vapours or Wind, it were put into a Plant and Refint, as the Sea is by the addition of Rivers continually flowing into it from all sides.

When the Air is Calm, then are the Meteors Generated; when by the Wind the Air is put into a violent Flux and Reflux; they are Broken and Diferent, county are Broken and Diferent Calman County and Calman C

in Collieries, Annes, tains, and Vulcano's.

When it lyes upon the Earth, it am leth Daws and noar Froits, it fucks out Damps and corrupted Air cut of Unsar ground works, ex.

CHAP.

Subto rances Heat draws out to control universe. Virlain H. S. Body; for

Halof Fiery Meseors, &cc.

and to be to s

HB Lower Cold which follows the Sun in the Evening Twilight continues its Operation for Jome Hours after its Beams are out of fight, and no longer; Tthe middle of the Night being for the most part a fealm as well in Winter as Summer Induring which time of its Operation it causesh all those Fiery Metcors which the former Philofophers gave feveral Names to, as fa ling Stars, Rode, Beams, Ignes, Fatus on Will with Wife de, according as they differ'd in Matter, Magnitude, and manner of Appearance; some Confisting of a hot and dry Exhalation, others of an Exhalation mix'd with a Viscous and Unctions Matter, a Third of a fimple and unmix'd Exhalation : All thele are Generated in the Lower Regions of the Air, the Matter of them being drawn up out of the Earth, Waters, and Rituminous Boggs and Mosses, by the Sun's Influence upon them, especially in the Spring Months. For then the Subterraor her

Subterranean Heat draws out to con municate with its Main Body; for a at this time all Animals renew their Hair, clear their Blood from grofs Ha mours, to doth this great Animal the Earth purge her felf of gross Humour, by Mulhrooms, and other Pinguid Ev. bartions for them the Subterrates Held drawing out to comm With the Externil Heat, brings former the Earth thele Mineral Spirits and Phiguid Perspirations in to plentiful and fire, Twhich being taken up late the Kit are Condensed Inso Clouds Cana full dewn again open the Earth in Mct Fortilizing Showers] that the Palmingels the the Clouds at this Sould Hop dewn Parnels Thele Hot and Flery Bahalations which are flying about, Teatter'd and dispers d in the Lieuer Region of the Air, being feized only the Evening Cold, are forced in Delena of themselves to affect their Forces and being united do Pire upon thair Grand Bremy (viz.) Coleration Com

Fireball, which the Meteorologist calls Falling Star; forme in a long Trim, ether Strait or Crooked, and these they called by the name of Rods or Beam; other

others being simple and unmix'd Exhalations, shash out in Lightning, like Gun-powder upon a Table; others being mix'd with a Viscous and Unctious kind of Matter Fire near the Earth, are mov'd by the Motion of the Air, or an easie and soft Wind, or are drawn down in pursuit of their Enemy Gold, to Waters, Mosses, Boggs, and Heaths, shill Burning like a Candle in a Parthorn; till their Unctious Matter be Exhausted, and then they leave a Liquid Jelly upon the Earth.

Wife, or Ignic Fathing or Foots Pire, because Ignorant People comeding it to be a spirit, keep their Eyes upon it, until they lose their way, and then are apt to give a dreadful Account of a Spirit they met with, which milled

it needs no to afutation to

them.

Com

for a

their Ho

l the

CUTS CONTROL OF THE C

If any of these Fiery Exhalations escape the Evening Cold, the Morning Cold about break of Day, before it be drawn down to the Waters, Fires them, by causing them to pursue the faint Method of Belf defence they took in the Evening.

comes Translated and appears to us in the Form and Preme of a Lumigon

od d C H A P. VI.

nov'd by the Motion of the Air A Mongst the Flery Meteors, all the former Philosophers neckon Comers to be the most Remarkable And they gave such Dismal Accountion the Dreadful Effects of them, that their very Appearance put the World under great Consternation But in my Chi nion, the World faccording to the Did Proverb] was more affraid than hit scule Ignorant Pople comediye

For that Comets are hiery den ors, and have fuch dreadful Hitch following their Appearance, is a disflake in Meteorology fo palpable, it it needs no Confutation:

That which we call a Comet, being no more than a Star of a Fiery and lasminous Body, in Conjunction withan other Star of an Opake and Waterish Substance, or a Vast Coelestial Gloud, which by receiving into its Body she Bright Rays of the Luminous Scar, be comes Translucent, and appears to us in the Form and Figure of a Luminous

CHAP

or

or Fiery Globe; and by emitting Beans or Streams of Light, it appears to be a Fiery and Burning Meteor, which by the Meteorologists is call da Comet.

be Centrical, it fends forth its Beams of Light on every Side, and this wealff a Bearded Comet.

but the Luminous Star be higher of lower, or on one fide, it fends for the Beam of Stream of Light upward of downward, or to one fide, and this Beam or Stream of Light, is called the Tail of the Comet. Is so and and of the Comet.

The Appearance of this Comet course tinues until their different Morions have begarated themps along a state of the course of th

have feveral Evenings, when a black waterith Cloud interpoleth between its and the Body of the Sun's if the Interpolition be Centrical, the Sun's Beams fiream out every way, if the Sun be higher, it fends for this Beams of Light downward, if lower, upward, or to one fide, according to the Interpolition of the Cloud.

Against this Hypothesis, it may be Objected, that there is no such thing in

Nature as an Opake Wateriff Coelefti. Body.

ve To which I answer, That the Moon is an Opake Globe of a Waterish Subfrance; and if its Natural Gourse and Motion was not within the compass of the Suns Atmosphere, it would be to me invisible : So there may be [for a ny thing that we know] Thousands of Opake Globes, within the Valt Expen ion of the Creleftial Spheres, which are never visible to us, but when they fal into Conjunction, or Oppolition, with Luminous Star And when these Opake Globes are of a Round and Waterish Substance, they appear to us in the Form of Comets

Again, it is most probable at these New Stars, which have ar for some time, and then dispe which Aftronomers have given Remarkable Accounts of, I are only pake Globes, made visible, for some time by their being in Conjunction or Oppo fition to a Luminous Star, and wh their different Motions have loosrati them the Opake Star hath disappear

elemental it only be

cincles there is a series of the CHAR

Their General that leads the Bartle Hoden

Of Thunder, its Canfer and Biffetts.

Pail Rieny Meteors where are home for dreadful as Thunder, which being an Acrial Fire Damp, the Nathre and Nortoprofide with the self-illustrated by comparing it to any Acrial Battle bet ween these T were powerful and infectional these self-illustrated by comparing it to any Acrial Battle bet ween these T were powerful and infectional these self-illustrated with the concilable Enemies; Fire and Water V

ind de la

The Army of Fire confident Morald Fiery Eschalations, scaled our of the Earth and Bituminus Bogs by dthe Influence and Heat of the Sun; especially out of the Sun; especially out of the South sife, full Especial North soft Barts of this Globe: Thole vast and specious Continents affording mothers those her and hery Soldiers of those and hery Soldiers of the sold of

The General that Commands in Chief, and which leads them forth into the Field of is day Sulphurous and Res. Winday Bernard of the Burnard of

The Army of Water confifts of cold and moift Vapours, raised out of the Southern and Western Ocean.

2 Their

Their General that leads them forth to Battle, is a cold moift West Wind: For its to be observed, that for some time before the Thunder begins, and wild it continues, the Blatts of Wind always blow from contrary Points, and the Clouds gather and march to rindshe full Fife of the Wind which outrest's Blows from an East Quarter benatihele Two Arthres being Farm dinstration wings and two Main Bodies; -Field Fire; being the more Adire and Volatile, fends forth a Detachmentel hery Charios goofrom the Sadles Wing; which being met with by in other Detachment of Vaporous Clouds ifrom the South west Wings she Bittle begins a l'And those bot and offer Exhalations that werfee riding in Charides of Fiery Clouds olike Pillars of Traillecent Smoke being inclosed and furrounded with this Vaporous Cloud, ard forc'd to unite all their Forces together, that, Vin Unita being Forting they may the better be able to defend themselves, and destroy the Enemy. No fooner then the Forces on both

Sides are united obut the Fiery Exhautions discharge a topon the Witerish Cland, in Fire and Lightning.

Their

(197)

orth

ind:

ome

and ind

ots,

in the state of th

J-

D-

d,

h

The Thundring Noise we hear is ocacasion down the Opposition they mist with, and the Breach of the Cloud; which falls down in great and dreadful Shows ers of Rain upon the Earth; the Drope of Water being greater or less as the Breach of the Cloud is at a higher or lower distance from the Rarth could but

After the Thundering Battel is thus begun, the other Wings drigage, said we hear the Thundering Sound of the Battel both South said and Northwide The Battel by this time growing here hot, the Main Bodies cogage; a and then nothing is to be lieuted but at Thundering Noise, with continual I fallies of Lightning, and dreadful Showers of Rain, falling down from the broken Clouds, of a least at nady. Initial has

And formerimes random shots flie about, kill both Memoand Beafts, here and throw down Hopfes, fplic great Trees and Rocks, and tear the very Earth, forglord salving tall and the very

be on a sudden Petrefied into Stone [which we call the Thunder-bolt] in the Body of a Cloud; than that Laxe Matter should be Petrefied into a Stone

0

in

inche Body of the Barch & she Antiperiffatical Caufe being the fame in both do Thefe two Irrespocidable finemies Rillokeep the Field, until one of them be unterly defroy dely note of all to of If the fiery Bahalations koep the Ricle the End Wind blows fill hot and fulphurens non the Buerthdull and audi the Vapours get the Victory, the West Wind blown cold and mouth, the Shy is clear, the Air is cold, the Battel'is over, and the Barth Buties the Dead and gen the Spoil. If any fhould think this Account of Thunder to berather Figment and Romance, then true Matural Philosophy, I advise him Twhen ever he sees the Thunder Packs sisting White and Translucent in a Souteast Point, when he feels the Air bot and Sulphurous, with some contrary Blafts of Wind coming whiftling from the Well] that he make thate on to the Top of Crossfele, or some beher high Mountain, that gives a Profpect to both Eighand West, and he may be inform'd both as to the truth and manner of this

which we call the Thund - lold in AHD thought be Perrefication.

Acroal Battle, blitche Blitche

The Morning Dews regin to fall a and sed of A P. Will hard wood the Waters being colder than therefore

Of Vaporous Meteors; and first of Dews, and Hoar Frosts

with it, fits Regent open the Water Bwe'ant Vapours Gonders' danpon the Surface of the Earth, by the Evening and Morning Gold, their box ing the times of the Dews falling aglib

have observed the fomesimes as bout Mid-efremeon, the under-ground Cold being impatient of a long Surn-mers Days Confinement; has bruile out, and condensed the Vapoursiano a filmin, which by the fielt Reflection of the Sun was taken up into the Air, and a wifcous Matter left upon athe Grafs, like Cobwels or fine Threes, which we call Tels Beats Maria; and thefe Vapours being condens'd into a Clerid, will fall down again in a Shower of Rain about four feering airing and M.

but the usual time when the Even ing Dews, fall, is immediately after the Sunis Bergolorithen the Lower Cold ly eth aponthe Ground, and so the Sun goes logation Cold condendational inwob dews, a Manua. In these Months,

The

inché Body of the Barth a she Antiperiffacical Cause being the same in both d'These two Irrespondible Enemies still keep the Field, until one of them be unterly destroy de transcriptions keep the

Field the fiery Exhalations keep the Field the Engl Wind blows fill her and fulphurous.

andf the Vapours get the Victory, the Wast Wind blown cold and moist, the Sky is clear, the Air is cold, the flattel's over, and the Barth Buries the Dead and gen the Spoil. If any should think this Account of Thunder to herather Figment and Romance, then true Matural Philosophy, I advise bits Tu hen ever he fees the Thunder Packs siling White and Translucent in a Smoteast Point, when he feels the Air box and Sulphurous, with fome contrary Blafts of Wind coming whiftling from the Well] that he make thatte on to the Top of Crossfelt, or forme other high Mountain, that gives a Profpect to both Eleft and West, and he may be inform'd both as to the truth and imatine? of this denal Battle, Jones Lobbit a no ed Which we call the Thurd a-told in

the 58dy of a Gloud, thru the Caxe.

The

The Morajag Dews oagin to tall a bout the CHAP. WILL and wood the Waters being colder than the whole-

Of Vaporous Meteors; and fir fair

with it, fits Regent spon the Water Hwe are Vapours Gonden Auton the Surface of the Earth; by the Evening and Morning Gold, thele boo ing the simes of the Dews fulling aglib

I have observed the fomesimes bout Midnefrennoon, alterinder-ground Cold being impatient of a long Sum mers Days Confinement; bathrolic out, and condened the Vapours into a illewin which by the first Reflection of the Sun was taken up into the Air, and a wifcous Matter left upon the Grafs, like Cobwebs or fine Threds, which we call Tets Beats Maria; and thefe Vapours being condens'd into a Cloud, will fall down again in a Shower of Rain about thin feeting airing is rould

But the ushal time when the Even ing Dews, fall, is immediately after the Sunia Berpionitien the Lower Cold ly eth aponthe Ground and a the Sun goes Moraing Cold condendiational inwob dews, or Manna. In these Months,

The

The Morning Dews begin to fall about break of Day: For about that time the Waters being colder than the Mountains, draw down the Lower Cold from

spa

Bo

be fal

til

W

90

afi

ft R

the Mountains to them.

And it bringing the Vapours along with it, fits Regent upon the Waters, mehick Foggsand waterish Mists / until the Influence of the Sun, by worming of the Waters, either feattereth and disperseth the Vapours, or forceth them so rife up to the Mountains, or the dool Regions of the Air, leaving only Dews upon the Ground behind them. ind biod In These Deal's, when the Cold is contracted and freezing, become Hoar Frons; for a dilated Cold canfeth Dews, and a contracted Gold Froftsabiles and orden the Spring Months, when the Subterranean Heat draws out from its Winter Quarters to join with the external Hear of the Armosphere, in brings out of the Earth with it fome of the finer Mineral Spirits; and the Sun beams being then Powerful and Abractive, do suck up these Mineral Spirits, with the Sweet Efluvia and Perspirations of Herbs and Flowers; which the Evening and Morning Cold condenseth into Honeydews, or Manna. In these Months, ast C the

the Sun's Beams are so strong and vigorous, that they will draw up Frog. spawn; which being received into the Body of a warm Gloud, will presently be Form'd into little Frogs, which will fall down upon the Earth in these Fertilizing Spring Showers, Sometimes they will suck up Blood, which will fall down in Showers of Rain, especially after Bloody Battels sought at greatly strenges. So Corn, &v. will fall down in Rain. But these are May also Name.

OF Ran.

LINE SIKE ANY SECTION

Rain is either general or particular higher or lower.

Observations concerning Ruin

When the Evening Dew falls be grain, for and the sun draws in unagain, the Evening Cold condenser it into a Cloud, and it falls down in a Shower of Rein in the Preno Twings

in bing people of the grand single of the grand of the gr

Of Rain.

Rain is either general or particular, higher or lower.

Observations concerning Rain.

When the Evening Dew falls beflix Bim-fer, and the Sun draws it up again, the Evening Cold condenses it into a Cloud, and it falls down in a Shower of Rain in the Evening Twilight.

I.

When

when the Evening Cold condenses on the Vapours into Dews, but draws them up to the Tops of the Mountains, and thence into the Cold Regions of the Air, they fall down in Rain about break of Day.

When the Morning Chid condensate nor the Dews, but draws up the Ver pours to the Tops of the Mountains and thence into the Cold Regions of the Air, they fall down in Rain about Ten a Clock or foomer, and fo continues a general Rain for forme Hours rogether, then Exening and Morning Vapours being join death when the Air is Calm, and Abq Waters polder than the Mountains, the Vapours draw down to the Mountains, the

When the Air a Calm, and and waters polder than the Mountains, the Vapours draw down to the Maints and them they lie in a thick Roggier Mift, until the Sun by warming of the Motors, canfeth them to nife, about Nine for Ten a Clock of the Moraing Cold dilate it fell it raileth the Vapours to the middle of the Mountains, where they continue in a chick Roggier the Mountain Tops being clean and the Vapours be all spent in a mixing hand of Raine Vapours be all spent in a mixing hand

When the Morning Cold divides at felf into many little contracted Bodies, these

thele leffer Bodies of contracted Cold condense the Vapours, and they fall down in particular Showers, some nor Mountain heights for that one thay sometimes go through a Shower of Rain [if he please] which will fall upon the Skirts of the Mountains, when at the same time the clear both above and below the Shower. Thus a Man may be above the Clouds and the Rain. It is not list yell.

01

w ti fe n C

.

t

(

2.

When the Morning Cold the worth Mills and the Peggs from the Waters, published for in Sops, as we call it? to the Tops of the Mountains, and they Trall there too and fro, formermes riling, and then falling again, the Dispute being between the Water cold and the Municipal cold, whether mould get the Prize.

Vapours be lifted up into the Cold Regions of the Air, and be there Condensed by some of these lesier Bosies of Cold which are flying about, they fall down in particular showers within the Houser lessafter they be taken up to quick is the return of Vapours into blowers of Rain min of vapours into

felf into many little contracted Bodies,

(205)

the controlled Body of Cold the caused the Hail, bean out a Quarter of a Mile in Eiredin Act D.

Of Hail and Snow.

OBSERVATIONS.

Then their letter Bodies of conone above anothers inving diffuses to
warm cair betwing letters. The effect
times it happens in very hor Weather,
for the greater the Blands, the more
narrow speeds their steller Bodies of
Cold icontract their fields of Cold condence
the Vapours into a Eloud, and it
breaks and fail down in drops of Rain
through a Body of more contracted
Cold, it freezeth their drops of Rain
into Hail-Stones AV 2 12

I have oblere'd a Shower of Rain upon the Mountains, while fame a Shower of the Mountains, while fame difforce again 1000 a Shower of Rain in the Valles. I have ablered a Shower of Hail ar one end of the Town, the fame a Shower of Rain at the other end; the

(206)

the contracted Body of Cold that caused the Hail, being not a Quarte of a Mile in Circumference.

of Snow.

hi

TE

th

fre

da

97

13

213

When the Lower Cold rifeth, and the Upper Cold falleth, and to the specific Sphere of Rarefaction that the Wind blows that as out of a control od Mouth, the Mapatra are frozen in Spaw, before they be condensed into a Cloud, and site shower of Snaw of the Mountains; but as soon as the Lower Cold rifeth Mountain beight, and some with the Upper Cold, the Snow all down into the Vallies and sovers the Earth, now to the Vallies and sovers the Earth.

OBSERVATIONS H ON

When the Wind his blown for fone times. By or full Sor & Washe mult expect a great and general Ruin; after thate. Winds blowing from such Regions where the Atmosphere rises high, bring own with them the greatest Quantity of Vapours; which our Mountaious Country

(207)

Country condenseth into Clouds, which fall down in great and general Rains.

And this is the realon why those Countries where most of the Vapours rise, have the least of Rain; which want is supplied by great Dews, which the Evening and Mountage Coul.

Hornwhere they Attendates sides high, the Lowet and Higher Coldates verificates which imple together of one want of Rains Modification and one

When the Wind blows Manable Reserve for the Reserve have followed Reserve but great Flights of Bases Rosester at mosphere at the Reserve being tery last collected by in Winter Dand the Mouth of shedshests of Reserve from their Quantassis for very when and freezings their those from those Quantassis for very when and freezings their those from those places for the most part fall down to Bnower special to the most part fall down to Bnower special to the most part fall when the first way and the most part fall down to Bnower special to the most part fall when the first way and the most part fall down to Bnower special to the most part fall when the first way and the most part fall down to Bnower special to the most part fall when the first way and the most part fall when the fall when the most part fall way and the most part fall when the most part fall way and the most part fall when the most part fall way and the most part fal

functive Condenseller into Clouds, de full, down in great and geneis which nt is supplied by except Dowls. Theware the Profesike the B the Morning Cold down we the Win Porifight, and carrying long with ityleans Right upon the Gree Honge Vapor Tali until Nine a Cleck the Influence of Hear have the Waters, forceth them to rep their Quarters, first to the cold Tops the Mountains, and thence to the cook Regions of the Air, from whence they fall down in Showers of Rain about

Twelve

(202) The Second of Mountage, bake field ned by the joyning of the Higher Lower Cold. During Thus

Ti

n es

aet

100

R

Twelve

new Condenfeils into Clouds, the fatt down in great and gene-Aug. emodor Pieto and Tomo Burn m is topplied by cycest Devis, delited oranged beautiful quite diderent Caules May the Infla one to a THE SHIP DUC che Waters Profesion chairs the Morning Cold down you the Wine down to the Waters in Twilight and carrying it long with its leaves Rightupon the G t sooney and Tali until Nine a Clocke f the Influence of Hear havin the Waters, forceth them to res their Quarters, first to the cold To the Mountains, and thenes to the cook Regions of the Air, from whence they fall down in Showers of Rain about (209)

Tarden & Glock archis Freshonia gains
the Maurise Valley and Buice spraw
as The Second Morning, buice field ion boing altri ned by the joyning of the Higher as Lower Cold. During Thus

(256)

Continued of the contin

The personal tabulation of the equition of the

Doring

q

Thus

(112)

the Florie, by Arte cours and Exhalations round above, will raise the Wind on to great abelian. as will make it a matter of great ditameliane quench the Blame

(212)

Beeccourfe of Day Thus as a conflant That Beat is the the Flame, by Rately pours and Exhalations will raise the Wind to so great as will make it a manus of gre figury to quench the Plame.

There Wind Helms fix upon the coldest parts of the Globe, as the Gibfoliey of dill (Ca) the highaccer on which thele Helms If the Grand Helm Mountains of Gon Feder freely most Lafter Stead of Land Seas I Jadorfiana ! where the flux mish bank Lods and other Ridge of Mountaines and Fourth Holm Grelland State and to forthat Ridge of Mountaines and to for-Thefe Ward

Thefe Wind Helms fix upon

If the Grand Helm Mountains of Gara Helm fixeth upon Eastern Sens Sea, I understand th where the Flux and B the Third Helm hixeth and that Ridge of Me Fourth Helm fixeth upon Shink that Ridge of Mountains; and to forward

Thele

(3123)

ward, suntil the Grand Polylan Well, for

The Invisible Helms Argell Bohale.

tion, When

(ens)

tron, wanth The one Black rillians . Mg upon Waters, River Mn Ob

Trail to and the the second and the trail to and the the second and the trail of the second and the se they feldom rife as high and the Tops of The Invitable Helms anissenoth with When noit

neWhoe nhed Valentie for there a new Helm idmily sade Sphere of Rarclattion is fam a work-When they are Opake as the bee tom, and White at the Top, expert a In large Continents assiste vist 9. from the Sea, where there are not ma-Helm fixeth, belief the Longrapheous Boot mont Helms, and fometimes a third Blaft of Wied will come from a middle Point or Ogarter, and formerimes alfor Blaft of Wind will come whirllandown from above our Heads with great molence. When the whole Horizon is Helm'd 6, about, expect pontrary Blafts, Whirl-

winds, or Hurricanes

Artich the Helms rife and close up the Arch with black Clouds, expect great Rains. Where

ini iloii Ra

Pr

all

Бр

411 312 913

ö

OV

ba

b In or

p

C

for there a new Sphere of Rarefattion is falls a work com, and White at the Top, expect a in large Continents at pied from the Sea, where there are Helm fixeth, and the Re ather popular Wind will blow formaines from both Helms, and fomerimes a third Blaft Wind will come from a middle bine or Ogarter; and fometimes allo a Blaft of Wind will come whirlde dove from above our Heads with STOR OUT TENS

When the whole Horizon is Helm'd about, expect contrary Blatts, Whirlwinds, or Hurricanes.

Atha the Helms tife and close up the Arch while black Couds, expect great Rains.

Where

3.

9.

4.

mily bus Dob as productioned Williams and Services of Weather, 1900 and Setting and Rifing of the Sam.

Proguefications of Rain from the little and ficty. frent, and gelt may exped a fair and Clock next Morning, and then their own weight caufeth them to fink and When after the Sun-Biss quinkend frile the Air with a Crimfor sed garbar or forcing [as they garby the Vai pours are drawing down with the Evening Cold, and the next Morning Cold Condenieth which Ired Clouds, which the next Day fall down in Showers of sollein monte of males a Beams firike the Air with a Cristal? When Red

When the B mering, it Sem seration of Weather. Setting and Rifing of the Sun.

Signs of fair Weather,

When the Sun Sets clean little and fiery, the Vapour cite Vaccours blather the Chairte Shirt are link Win n vert with wood had or fleque own weight causeth them to fink and

When after the Sun-Bisce 499 ftrike the Air with a Crimfog and, gas buy capelt then me ne gent the bill or loreing, (as they unitwide his yes pours are drawing down with the Evening Cold, and the next Moraing Secret Rain from the Refing State which the next Day fall down in a se before sue and ippears its willing Beams strike the Air with a Crimen When Red

(بعم)

Red, expect Wind and Rain about Ten a Clark a foresten a die suffel of Varence and Embelstation que don't make the suffer the Sun set of the suffer the sun set of the sun

When the Sin Rosen trees the glimmering, and is preferrly received the Marging Gold riles, and the Marging Gold riles, and the same up white the Marging Books, grantly and the same and th

When the Sun Rifeth clean, and feveral little black Claude are mady to receive it, expects Showery Days

Signs of a fair Day, from the Rif-

If the San Rilly and fiery, and the Vapours draw down to the Waters, leaving a Dow upon the Ground, their Vapour about Terra Glock are Rarify'd into Wind, which continues blowing and tragnofticate a fair Seafon.

q.

. If the Sun Rife in thick Clouds, and appear not till until Ten a Clock, expect a clear Afternoon.

of expect Wind and Rain about it will be the control of the contro

Coct. cape and selection of the selectio

When the Sun Riferb clear, and feterd little black Clouds are ready to receive a expedia Showery Day.

tion of a fair Day, from the Rif-

the Su Lilvitt and fiery, and ...

the Vapours draw down to the Waters, leaving a Dew moon to Ground,
thele Various Visuo IV. (Cock are
thele Various Visuo IV. (Cock are
there'd not visuo IV. (Cock are
noon, and visuo Visuo IV.)

Beating the Visuo IV. (Cock are
there's the Visuo IV.

The Sun Rife in thick Clouds, and appear not till until Ten a Clock, exsect a clear Alexander.

BOOKS Proper 6

over against the Three Pigeons

Gete in Fleet-Street.

Charge given at the Cometal Charter

A Settions of the Pract for the County
of the Hind day of Light look and mount
for Hind day of Light look and mount
for Hind Majetter Mitter of the Charter
that County. The Setting of the Charter

There Majetter Mitter of the Charter

There Majetter Mitter of the Charter

There is a presque O sin to violate and the

County of the Setting of the Charter

Written in Hallis, of April 1988

Gentleman of the Bed Chamber to Hole

Urban the Eighth. Done into English by
the Honourable Hugh Hare, Esq.

An Account of the Isla of Jersey, the Greatest of the Islands that are now, the only remainder of the English Dominions in France, with a New and Accurate Mapp of the said Island. By Ph. Falle, M. A. Rector of St. Saviour, in the said Island, and Chaplain in Ordinary to His Majesty.

ate in Fleet-Street arce civen at the History of the Campagne

Scattering of the bell et miles composed firbar che Eighth. Done into English by the Honourable Hugh Hare, Esq.

An Account of the Isla of Infey, the Causest of the Islands that are now the only remainder of the English Dominions

in frame, with a New and Accurate Mapp of the faid Island: By Ph. Falle, M.A. Reflor of St. Savieur, in the said Island, and Chaplain in Ordinary to Flis Majesty.

